# Product Datasheet

## CSE1L/CAS/Exportin-2 Antibody (3D8) - Azide and BSA Free

## H00001434-M08

Unit Size: 0.1 mg

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.



**Reviews: 1 Publications: 11**

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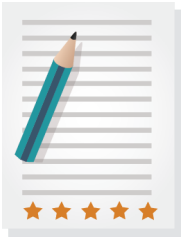
Updated 2/21/2025 v.20.1





# H00001434-M08

CSE1L/CAS/Exportin-2 Antibody (3D8) - Azide and BSA Free

## Product Information

| | |
|---|---|
| **Unit Size** | 0.1 mg |
| **Concentration** | Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services. |
| **Storage** | Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles. |
| **Clonality** | Monoclonal |
| **Clone** | 3D8 |
| **Preservative** | No Preservative |
| **Isotype** | IgG1 Kappa |
| **Purity** | IgG purified |
| **Buffer** | PBS, pH 7.4 |

## Product Description

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| **Description** | Quality control test: Antibody Reactive Against Recombinant Protein. |
| **Host** | Mouse |
| **Gene ID** | 1434 |
| **Gene Symbol** | CSE1L |
| **Species** | Human, Mouse |
| **Specificity/Sensitivity** | CSE1L - CSE1 chromosome segregation 1-like (yeast) |
| **Immunogen** | CSE1L (NP_001307, 872 a.a. ~ 971 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. LIGLFELPEDDTIPDEEHFIDIEDTPGYQTAFSQLAFAGKKEHDPVGQMVNNPKI HLAQSLHKLSTACPGRVPSMVSTSLNAEALQYLQGYLQAARVTLL |
| **Notes** | This product is produced by and distributed for Abnova, a company based in Taiwan. |

## Product Application Details

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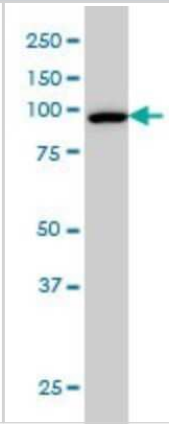
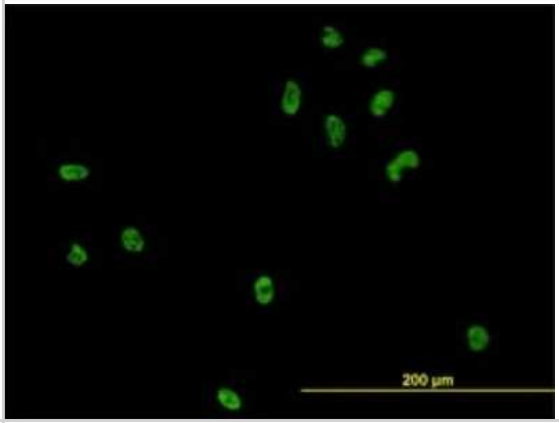
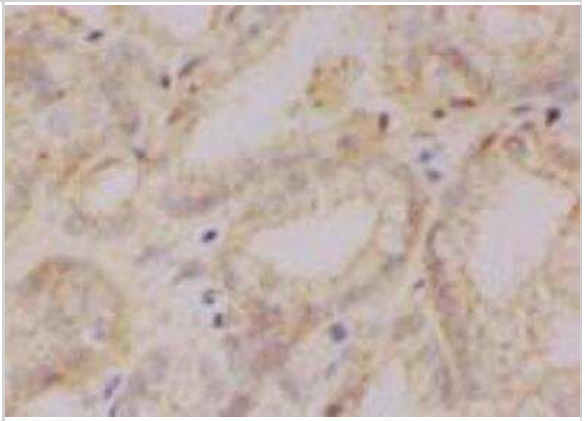
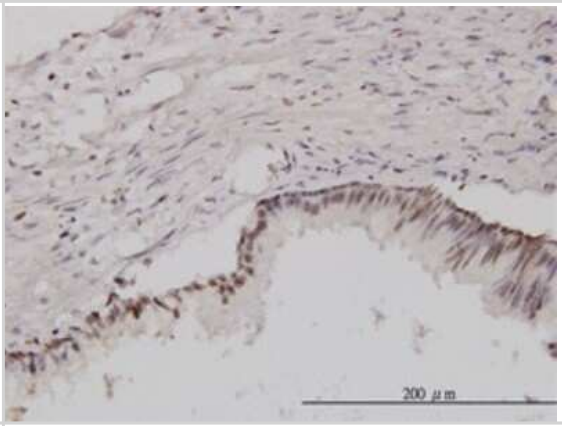
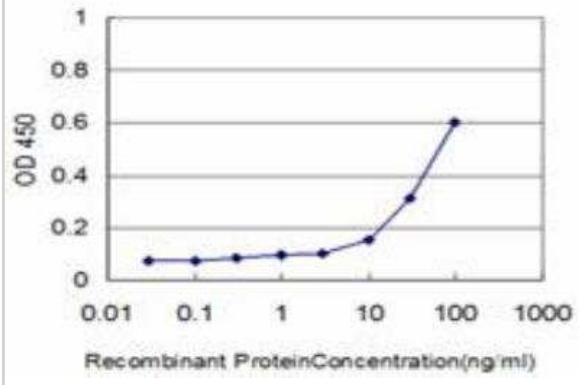
| **Applications** | Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin |
| **Recommended Dilutions** | Western Blot 1:500, ELISA, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin |
| **Application Notes** | Antibody reactivity against cell lysate and recombinant protein for WB. |

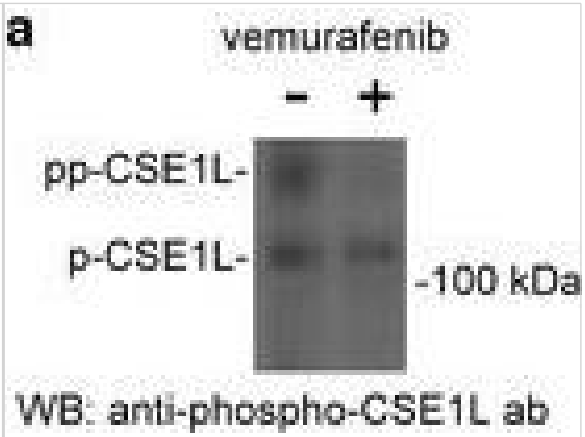
## Images

Western Blot: CSE1L/CAS/Exportin-2 Antibody (3D8) [H00001434-M08] - Analysis of CSE1L expression in Hela S3 NE (Cat # L013V3).

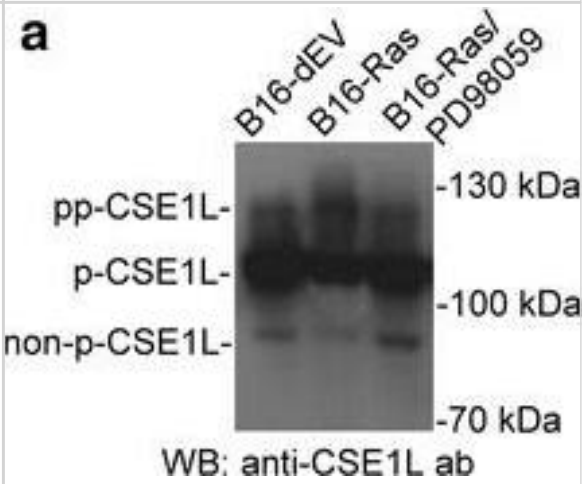


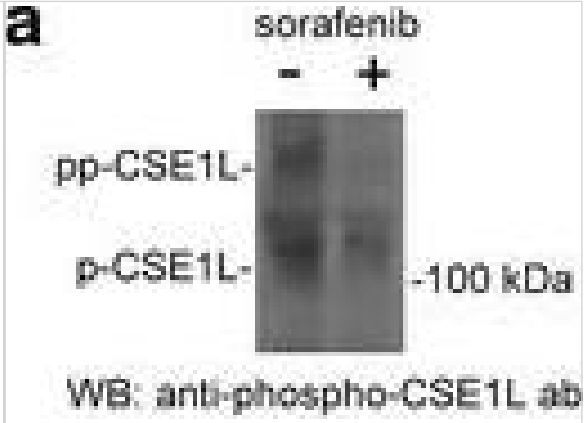
| | |
|---|---|
| Immunocytochemistry/Immunofluorescence: CSE1L/CAS/Exportin-2 Antibody (3D8) [H00001434-M08] - Analysis of monoclonal antibody to CSE1L on HeLa cell. Antibody concentration 10 ug/mL. |   |
| Immunohistochemistry-Paraffin: CSE1L/CAS/Exportin-2 Antibody (3D8) [H00001434-M08] - Mouse prostate tissue section stained with primary antibody for 10 hrs. IHC-P image submitted by a verified customer review. |  |
| Immunohistochemistry-Paraffin: CSE1L/CAS/Exportin-2 Antibody (3D8) [H00001434-M08] - Analysis of monoclonal antibody to CSE1L on FFPE human prostate. Antibody concentration 3 ug/mL. |   |
| ELISA: CSE1L/CAS/Exportin-2 Antibody (3D8) [H00001434-M08] - Detection limit for recombinant GST tagged CSE1L is approximately 3ng/ml as a capture antibody. |   |

Western Blot: CSE1L/CAS/Exportin-2 Antibody (3D8) [H00001434-M08] - Vemurafenib treatment inhibits the phosphorylation of CSE1L & ERK1/2. a Vemurafenib treatment inhibited the phosphorylation of ERK1/2 & CSE1L. The levels of hyper-phosphorylated CSE1L, hypo-phosphorylated CSE1L, & phospho-ERK1/2 in A375 melanoma cells treated with or without 1 μM vemurafenib for 24 h were subjected to immunoblotting with anti-CSE1L (clone 3D8), anti-phospho-CSE1L, & anti-phospho-ERK1/2 antibodies. β-actin levels were assayed as a control. b A representative image shows vemurafenib-induced apoptotic body formation in A375 melanoma cells. Cells were treated with or without 1 μM vemurafenib for 72 h. c DNA fragmentation induced by vemurafenib in A375 melanoma cells treated with or without 1 μM vemurafenib for 72 h. Each immunoblot was repeated at least three times & showed similar results. The data shown here are the representative immunoblots. Image collected & cropped by CiteAb from the following publication (http://www.translational-medicine.com/content/13/1/191), licensed under a CC-BY license. Not internally tested by Novus Biologicals.




Western Blot: CSE1L/CAS/Exportin-2 Antibody (3D8) [H00001434-M08] - Presence of hyper-, hypo-, & non-phosphorylated CSE1L in tumor cells as analyzed by antibodies against CSE1L & phosphorylated CSE1L. a The levels of phosphorylated & non-phosphorylated CSE1L in B16-dEV, B16-Ras, & PD98059-treated B16-Ras cells were analyzed with anti-CSE1L antibody (clone 3D8) as indicated. b The levels of phospho-CSE1L & phospho-ERK1/2 in B16-dEV, B16-CSE1L, & B16-Ras cells were analyzed with anti-phospho-CSE1L & anti-phospho-ERK1/2 antibodies as indicated. c Presence of hyper- & hypo-phosphorylated CSE1L in B16-Ras cells analyzed using lambda protein phosphatase. B16-Ras cell lysates treated with or without lambda protein phosphatase were subjected to immunoblotting with anti-CSE1L (3D8), anti-phospho-CSE1L, & anti-phospho-ERK1/2 antibodies as indicated. d Presence of non-phosphorylated & phosphorylated CSE1L as analyzed using serum-starved & serum re-fed non-cancerous cell lines. The phosphorylation of CSE1L in cell lysates from serum starved or serum starved & serum retreated HT-29 colorectal cancer cells, human foreskin fibroblast cells, NIH3T3 cells, & B16F10 melanoma cells were analyzed using the anti-CSE1L (clone 24) antibody. e Distribution of secretory phospho-CSE1L in the extracellular secretion vesicles (arrowhead) surrounding B16-Ras cells was analyzed by immunofluorescence with anti-phospho-CSE1L antibodies. Each immunoblot was repeated at least three times & showed similar results. The data shown here are the representative immunoblots. β-actin levels were assayed as a control. pp-CSE1L hyper-phosphorylated CSE1L, p-CSE1L hypo-phosphorylated CSE1L, non-p-CSE1L non-phosphorylated CSE1L. Image collected & cropped by CiteAb from the following publication (http://www.translational-medicine.com/content/13/1/191), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



| | |
|---|---|
| Western Blot: CSE1L/CAS/Exportin-2 Antibody (3D8) [H00001434-M08] - Sorafenib treatment inhibits the phosphorylation of CSE1L & ERK1/2. a Sorafenib treatment inhibited the phosphorylation of ERK1/2 & CSE1L. The levels of hyper-phosphorylated CSE1L, hypo-phosphorylated CSE1L, & phospho-ERK1/2 in HT-29 colorectal cancer cells treated with or without 6 μM sorafenib for 24 h were subjected to immunoblotting with anti-CSE1L (clone 3D8), anti-phospho-CSE1L, & anti-phospho-ERK1/2 antibodies. β-actin levels were assayed as a control. Each immunoblot was repeated at least three times & showed similar results. The data shown here are the representative immunoblots. b The cell numbers of HT-29 colorectal cancer cells treated with or without 6 μM sorafenib for 96 h were counted using trypan blue exclusion assays. The graph summarizes the results of three independent assays. Image collected & cropped by CiteAb from the following publication (http://www.translational-medicine.com/content/13/1/191), licensed under a CC-BY license. Not internally tested by Novus Biologicals. |  |

## Publications


Chin SY, Wu PR, Shih YH et al. High expression of cytoplasmic phosphorylated CSE1L in malignant melanoma but not in benign nevi: phosphorylated CSE1L for the discrimination between melanoma and benign nevi. Int J Clin Exp Pathol. 2015-01-01 [PMID: 25973023]

Tsao TY, Tsai CS, Tung JN et al. Function of CSE1L/CAS in the secretion of HT-29 human colorectal cells and its expression in human colon. Mol Cell Biochem. 2009-02-18 [PMID: 19224336]

Tung MC, Tsai CS, Tung JN et al. Higher Prevalence of Secretory CSE1L/CAS in Sera of Patients with Metastatic Cancer. Cancer Epidemiol Biomarkers Prev. 2009-05-01 [PMID: 19383891]

Uen WC, Tai CJ, Shen SC et al. Differential distributions of CSE1L/CAS and E-cadherin in the polarized and non-polarized epithelial glands of neoplastic colorectal epithelium. J Mol Histol. 2010-08-24 [PMID: 20734115]

Chang CC, Tai CJ, Su TC et al. The prognostic significance of nuclear CSE1L in urinary bladder urothelial carcinomas. Ann Diagn Pathol. 2012-04-02 [PMID: 22476051]

Li KK, Yang L, Pang JC et al. MIR-137 Suppresses Growth and Invasion, is Downregulated in Oligodendroglial Tumors and Targets CSE1L. Brain Pathol. 2012-12-10 [PMID: 23252729]

Jiang MC, Yeh CM, Tai CJ et al. CSE1L modulates Ras-induced cancer cell invasion: correlation of K-Ras mutation and CSE1L expression in colorectal cancer progression. Am J Surg. 2013-06-24 [PMID: 23806821]

Lee WR, Shen SC, Shih YH5 et al. Early decline in serum phospho-CSE1L levels in vemurafenib/sunitinib-treated melanoma and sorafenib/lapatinib-treated colorectal tumor xenografts. J Transl Med. 2015-06-13 [PMID: 26070816]

Okimoto S, Sun J, Fukuto A et al. hCAS/CSE1L regulates RAD51 distribution and focus formation for homologous recombinational repair. Genes Cells. 2015-06-30 [PMID: 26123175]

Lee WR, Shen SC, Wu PR et al. CSE1L Links cAMP/PKA and Ras/ERK pathways and regulates the expressions and phosphorylations of ERK1/2, CREB, and MITF in melanoma cells. Mol Carcinog 2015-09-01 [PMID: 26331446]

Stella Tsai CS, Chen HC, Tung JN et al. Serum cellular apoptosis susceptibility protein is a potential prognostic marker for metastatic colorectal cancer. Am J Pathol. 2010-01-01 [PMID: 20150437]

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## Products Related to H00001434-M08

| | |
|---|---|
| HAF007 | Goat anti-Mouse IgG Secondary Antibody [HRP] |
| NB720-B | Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin] |
| NBP1-43319-0.5mg | Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1) |
| H00001434-P01-10ug | Recombinant Human CSE1L/CAS/Exportin-2 GST (N-Term) Protein |

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This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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