

Product Datasheet

LASS6 Antibody (5H7) - Azide and BSA Free H00253782-M01

Unit Size: 0.1 mg

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

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Publications: 16

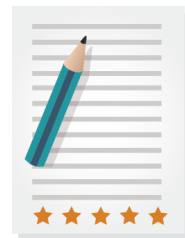
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H00253782-M01

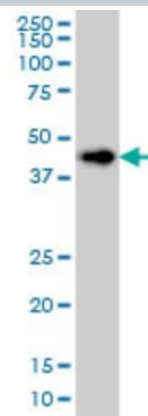
LASS6 Antibody (5H7) - Azide and BSA Free

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	5H7
Preservative	No Preservative
Isotype	IgG2a Kappa
Purity	IgG purified
Buffer	In 1x PBS, pH 7.4
Product Description	
Description	Novus Biologicals Mouse LASS6 Antibody (5H7) - Azide and BSA Free (H00253782-M01) is a monoclonal antibody validated for use in IHC, WB, ELISA and IP. Anti-LASS6 Antibody: Cited in 16 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	253782
Gene Symbol	CERS6
Species	Human, Mouse
Reactivity Notes	Mouse reactivity reported in scientific literature (PMID: 26620563)
Specificity/Sensitivity	LASS6 - LAG1 longevity assurance homolog 6 (<i>S. cerevisiae</i>)
Immunogen	LASS6 (NP_982288, 62 a.a. ~ 131 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. PCAIALNIQANGPQIAPPNAILEKVFTAITKHPDEKRLEGLSKQLDWDVRSIQRW FRQRRNQEKPSLTR
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, ELISA, Immunohistochemistry, Immunoprecipitation
Recommended Dilutions	Western Blot 1:500, ELISA 1:100-1:2000, Immunohistochemistry 1:10-1:500, Immunoprecipitation, Immunohistochemistry-Paraffin 1:10-1:500
Application Notes	Antibody reactive against cell lysate and recombinant protein for Western Blot. Has also been used for immunohistochemistry (paraffin) and ELISA. Use in immunoprecipitation reported in scientific literature (PMID 26620563)

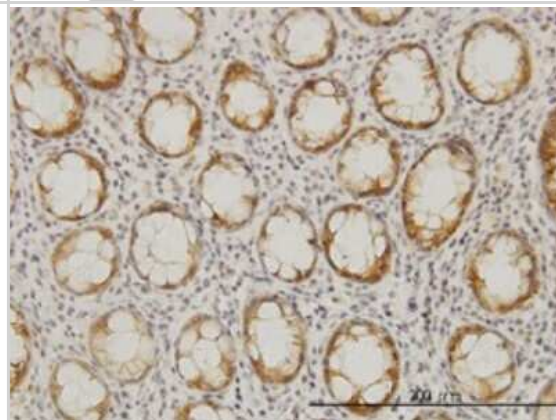


Images

Western Blot: LASS6 Antibody (5H7) [H00253782-M01] - LASS6 monoclonal antibody (M01), clone 5H7 Analysis of LASS6 expression in HeLa.



Immunohistochemistry-Paraffin: LASS6 Antibody (5H7) [H00253782-M01] - Analysis of monoclonal antibody to LASS6 on formalin-fixed paraffin-embedded human colon. Antibody concentration 3 ug/ml.



ELISA: LASS6 Antibody (5H7) [H00253782-M01] - Detection limit for recombinant GST tagged LASS6 is approximately 0.03ng/ml as a capture antibody.



Publications

- Straus AJ, Mavodza G, Senkal CE. et Al. Glycosylation of ceramide synthase 6 is required for its activity J Lipid Res 2024-11-26 [PMID: 39608570]
- Motoshi S, Ke C, Seiichi K et al. CERS6 required for cell migration and metastasis in lung cancer. J Cell Mol Med. 2020-09-09 [PMID: 32902157]
- Wing-Kee L, Michelle M, Amy Q et al. Dependence of ABCB1 transporter expression and function on distinct sphingolipids generated by ceramide synthases-2 and -6 in chemoresistant renal cancer. J Biol Chem. 2021-12-13 [PMID: 34915026]
- Trishna P, Kajal R, Animesh K et al. Alternative splicing of ceramide synthase 2 alters levels of specific ceramides and modulates cancer cell proliferation and migration in Luminal B breast cancer subtype. Cell Death Dis. 2021-02-10 [PMID: 33568634]
- Li S, Wu Y, Ding Y et al. CerS6 regulates cisplatin resistance in oral squamous cell carcinoma by altering mitochondrial fission and autophagy. J Cell Physiol 2018-07-27 [PMID: 30054909]
- Uen YH, Fang CL, Lin CC et al. Ceramide synthase 6 predicts the prognosis of human gastric cancer: it functions as an oncoprotein by dysregulating the SOCS2/JAK2/STAT3 pathway. Mol Carcinog 2018-08-29 [PMID: 30129684]
- Suzuki M, Cao K, Kato S et al. Targeting ceramide synthase 6-dependent metastasis-prone phenotype in lung cancer cells. J Clin Invest 2015-12-07 [PMID: 26650179]
- Gerl MJ, Bittl V, Kirchner S et al. Sphingosine-1-Phosphate Lyase Deficient Cells as a Tool to Study Protein Lipid Interactions. PLoS One 2016-04-21 [PMID: 27100999] (WB)
- Ruckhaberle E, Holtrich U, Engels K et al. Acid ceramidase 1 expression correlates with a better prognosis in ER-positive breast cancer. Climacteric. 2009-07-31 [PMID: 19657789]
- Mesicek J, Lee H, Feldman T et al. Ceramide synthases 2, 5, and 6 confer distinct roles in radiation-induced apoptosis in HeLa cells. Cell Signal. 2010-04-18 [PMID: 20406683]
- Yamane M, Miyazawa K, Moriya S et al. D,l-threo-1-phenyl-2-decanoylamino-3-morpholino-1-propanol (DL-PDMP) increases endoplasmic reticulum stress, autophagy and apoptosis accompanying ceramide accumulation via ceramide synthase 5 protein expression in A549 cells. Biochimie. 2011-05-07 [PMID: 21571032]
- Laviad EL, Kelly S, Merrill AH Jr et al. Modulation of ceramide synthase activity via dimerization. J Biol Chem 2012-04-13 [PMID: 22539345]

More publications at <http://www.novusbio.com/H00253782-M01>



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Products Related to H00253782-M01

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-96981-0.5mg	Mouse IgG2a Kappa Isotype Control (M2AK)
H00253782-P01-10ug	Recombinant Human LASS6 GST (N-Term) Protein

Limitations

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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