

Product Datasheet

SESN2 Antibody (3B8) - Azide and BSA Free H00083667-M03

Unit Size: 0.1 mg

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

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Publications: 3

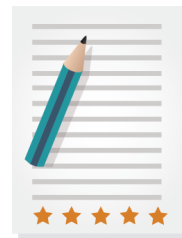
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H00083667-M03

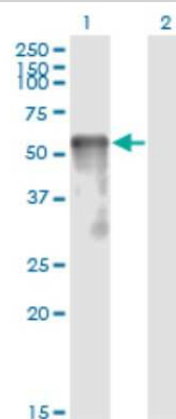
SESN2 Antibody (3B8) - Azide and BSA Free

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	3B8
Preservative	No Preservative
Isotype	IgG2a Kappa
Purity	IgG purified
Buffer	In 1x PBS, pH 7.4
Product Description	
Host	Mouse
Gene ID	83667
Gene Symbol	SESN2
Species	Human
Reactivity Notes	Other species not tested.
Specificity/Sensitivity	SESN2 - sestrin 2
Immunogen	SESN2 (AAH13304.1, 1 a.a. ~ 480 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. MIVADSECRAELKDYLRFAPGGVGDSGPGEEQRESRARRGPRGPSAFIPVEE VLREGAESLEQHLGLEALMSSGRVDNLAVVMGLHPDYFTSFWRLLHYLLLHTDG PLASSWRHYIAIMAAARHQCSYLVGSHMAEFLQTGGDPEWLLGLHRAPEKLRK LSEINKLLAHRPWLTKEHIQALLKTGEHTWSLAELIQALVLLTHCHSLSSFVFGC GILPEGDADGSPAPQAPTPPSEQSSPPSRDPLNNSGGFESARDVEALMERMQ QLQESLLRDEGTSQEEMESRFELEKSESLVTPSADILEPSPHPDMLCFVEDPT FGYEDFTRRGAQAPPTFRAQDYTWEDHGYSLIQRLYPEGGQLLDEKFQAAYS LTYNTIAMHSGVDTSVLRRAIWNYIHCVFGIRYDDYDYGEVNQLLERNLKVYIKT VACYPEKTTRMYNLFWRHFRHSEKVVHVNLLLEARMQAALLYALRAITRYMT
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.
Product Application Details	
Applications	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation, Sandwich ELISA
Recommended Dilutions	Western Blot 1:500, ELISA 1:100-1:2000, Immunohistochemistry 1:10-1:500, Immunocytochemistry/ Immunofluorescence 1:10-1:500, Immunoprecipitation 1:10-1:500, Immunohistochemistry-Paraffin 1:10-1:500, Sandwich ELISA
Application Notes	Antibody reactive against cell lysate and recombinant protein for Western Blot. Has also been used for immunofluorescence, immunohistochemistry (paraffin), and ELISA.

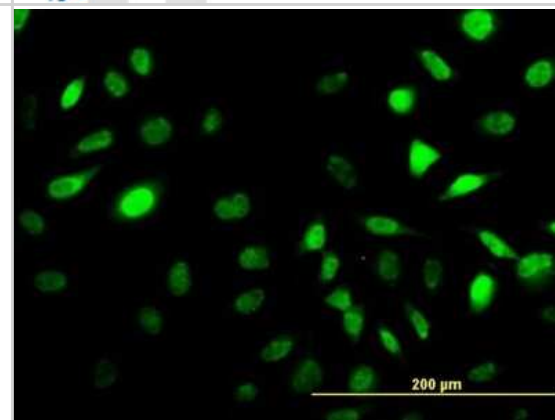


Images

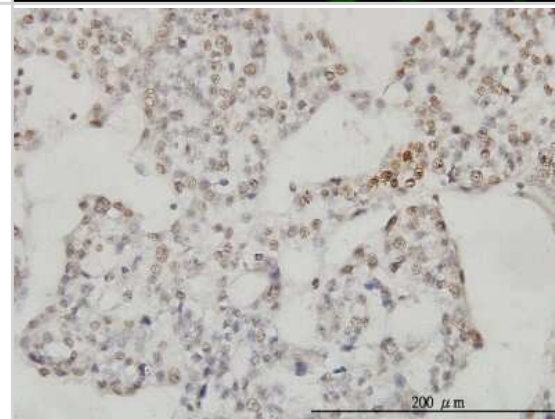
Western Blot: SESN2 Antibody (3B8) [H00083667-M03] - Analysis of SESN2 expression in transfected 293T cell line by SESN2 monoclonal antibody (M03), clone 3B8. Lane 1: SESN2 transfected lysate (54.5 KDa). Lane 2: Non-transfected lysate.



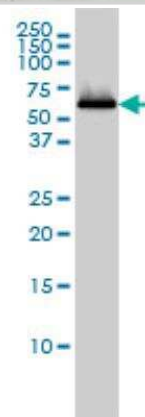
Immunocytochemistry/Immunofluorescence: SESN2 Antibody (3B8) [H00083667-M03] - Analysis of monoclonal antibody to SES2 on HeLa cell. Antibody concentration 10 ug/ml



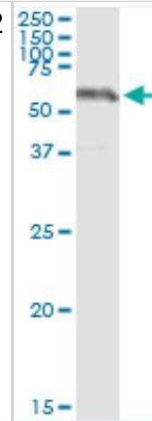
Immunohistochemistry-Paraffin: SESN2 Antibody (3B8) [H00083667-M03] - Analysis of monoclonal antibody to SESN2 on formalin-fixed paraffin-embedded human ovary, clear cell carcinoma. Antibody concentration 3 ug/ml



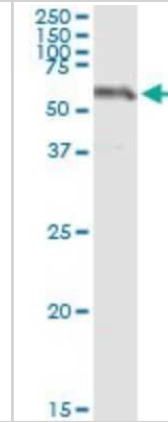
Western Blot: SESN2 Antibody (3B8) [H00083667-M03] - SESN2 expression in K-562 (Cat # L009V1).



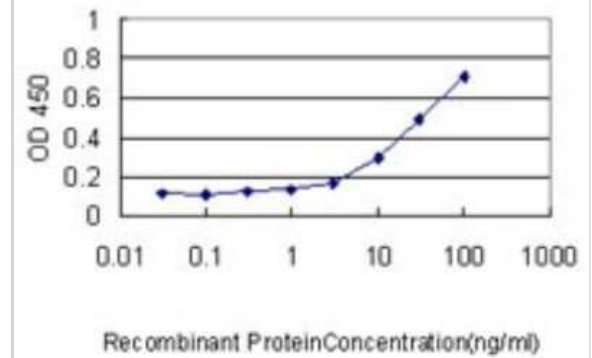
Immunoprecipitation: SESN2 Antibody (3B8) [H00083667-M03] - SESN2 transfected lysate.



Immunoprecipitation: SESN2 Antibody (3B8) [H00083667-M03] - Analysis of SESN2 transfected lysate using anti-SESN2 monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with SESN2 rabbit polyclonal antibody.



Sandwich ELISA: SESN2 Antibody (3B8) [H00083667-M03] - Detection limit for recombinant GST tagged SESN2 is approximately 0.3ng/ml as a capture antibody.



Publications

Lin LT, Liu SY, Leu JD et al. Arsenic trioxide-mediated suppression of miR-182-5p is associated with potent anti-oxidant effects through up-regulation of SESN2. *Oncotarget*. 2018-03-23 [PMID: 29662624]

Liu SY, Lee YJ, Lee TC. Association of platelet-derived growth factor receptor accumulation with increased oxidative stress and cellular injury in sestrin 2 silenced human glioblastoma cells. *FEBS Lett*. 2011-04-27 [PMID: 21536039]

Li DD, Sun T, Wu XQ et al. The inhibition of autophagy sensitises colon cancer cells with wild-type p53 but not mutant p53 to topotecan treatment. *PLoS One*. 2012-01-01 [PMID: 23024792] (WB)



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Products Related to H00083667-M03

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)
NBP1-44989PEP	SESN2 Antibody Blocking Peptide

Limitations

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