

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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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 |

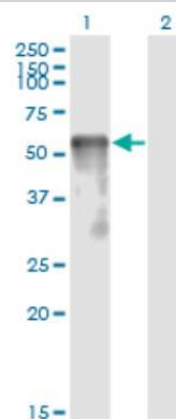
| Product Description | |
|-------------------------|--|
| Description | Novus Biologicals Mouse SESN2 Antibody (3B8) - Azide and BSA Free (H00083667-M03) is a monoclonal antibody validated for use in IHC, WB, ELISA, ICC/IF and IP. Anti-SESN2 Antibody: Cited in 3 publications. All Novus Biologicals antibodies are covered by our 100% guarantee. |
| 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. MIVADSECRAELKDYLRFPAGGGVGDSPGEEQRESRARRGPRGPSAFIPVEE VLREGAESLEQHLGLEALMSSGRVDNLAVVMGLHPDYFTSFWRLLHYLLLHTDG PLASSWRHYIAIMAAARHQCSYLVGSHMAEFLQTGGDPEWLLGLHRAPEKLRK LSEINKLLAHRPWLITKEHIQALLKTGEHTWSLAELIQALVLLTHCHSLSSFVFGC GILPEGDADGSPAPQAPTPPSEQSSPPSRDPLNNSGGFESARDVEALMERMQ QLQESLLRDEGTSQEEMESRFELEKSESLLVTPSADILEPSPHPDMLCFVEDPT FGYEDFTRRGAQAPPTFRAQDYTWEDHGYSLIQRLYPEGGQLLDEKFQAAYS LTYNTIAMHSGVDTSVLRRAIWNYIHCVFGRYDDYDYGEVNQLLERNLKVYIKT VACYPEKTTTRMYNLFWRHFRHSEKVVHVNLLLLEARMQAALLYALRAITRYMT |
| Notes | This product is produced by and distributed for Abnova, a company based in Taiwan. |

| Product Application Details | |
|-----------------------------|---|
| Applications | Western Blot, Immunohistochemistry-Paraffin, ELISA, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, 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. |

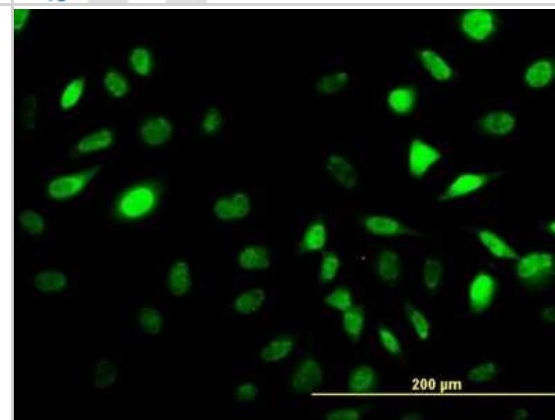


Images

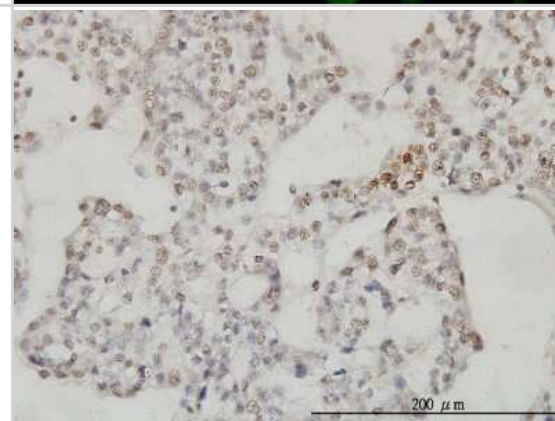
Western Blot: SESN2 Antibody (3B8) [H00083667-M03] - Analysis of SESN2 expression in transfected 293T cell line by SESN2 monoclonal antibody (M03), clone 3B8. Lane 1: SESN2 transfected lysate (54.5 KDa). Lane 2: Non-transfected lysate.



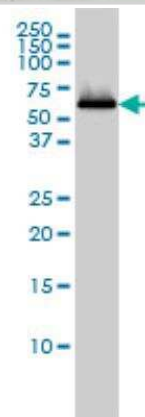
Immunocytochemistry/Immunofluorescence: SESN2 Antibody (3B8) [H00083667-M03] - Analysis of monoclonal antibody to SES2 on HeLa cell. Antibody concentration 10 ug/ml



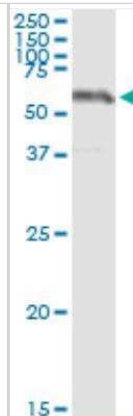
Immunohistochemistry-Paraffin: SESN2 Antibody (3B8) [H00083667-M03] - Analysis of monoclonal antibody to SESN2 on formalin-fixed paraffin-embedded human ovary, clear cell carcinoma. Antibody concentration 3 ug/ml



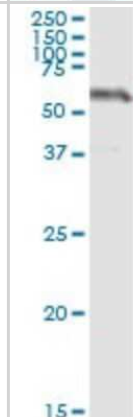
Western Blot: SESN2 Antibody (3B8) [H00083667-M03] - SESN2 expression in K-562 (Cat # L009V1).



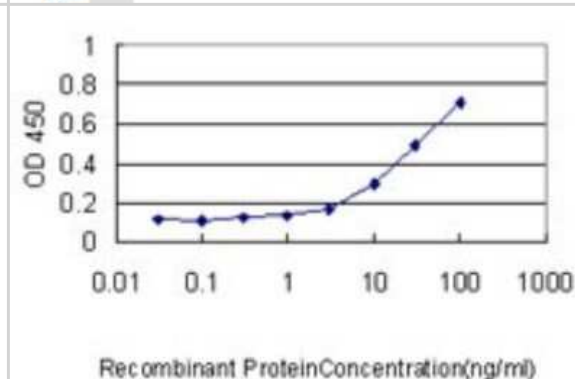
Immunoprecipitation: SESN2 Antibody (3B8) [H00083667-M03] - SESN2 transfected lysate.



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

| | |
|------------------|--|
| NBP2-33376H | Blue Marker Antibody (6F4-F6) [HRP] |
| HAF007 | Goat anti-Mouse IgG Secondary Antibody [HRP] |
| NB7539 | Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP] |
| NBP1-96981-0.5mg | Mouse IgG2a Kappa Isotype Control (M2AK) |

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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