

## SESN2 Antibody (monoclonal) (M03)

Mouse monoclonal antibody raised against a full length recombinant SESN2.

Catalog # AT3830a

### Product Information

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<b>Application</b>	WB, IHC, IF, IP, E
<b>Primary Accession</b>	<a href="#">P58004</a>
<b>Other Accession</b>	<a href="#">BC013304</a>
<b>Reactivity</b>	Human
<b>Host</b>	mouse
<b>Clonality</b>	monoclonal
<b>Isotype</b>	IgG2a Kappa
<b>Clone Names</b>	3B8
<b>Calculated MW</b>	54494

### Additional Information

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<b>Gene ID</b>	83667
<b>Other Names</b>	Sestrin-2, Hi95, SESN2, SEST2
<b>Target/Specificity</b>	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.
<b>Dilution</b>	WB~~1:500~1000 IHC~~1:100~500 IF~~1:50~200 IP~~N/A E~~N/A
<b>Format</b>	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
<b>Storage</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
<b>Precautions</b>	SESN2 Antibody (monoclonal) (M03) is for research use only and not for use in diagnostic or therapeutic procedures.

### Background

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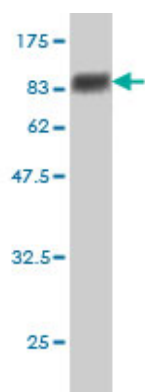
This gene encodes a member of the sestrin family of PA26-related proteins. The encoded protein may function in the regulation of cell growth and survival. This protein may be involved in cellular response to different stress conditions.

### References

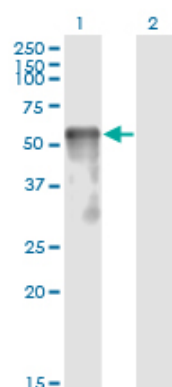
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- 1.The Inhibition of Autophagy Sensitises Colon Cancer Cells with Wild-Type p53 but Not Mutant p53 to Topotecan Treatment.Li DD, Sun T, Wu XQ, Chen SP, Deng R, Jiang S, Feng GK, Pan JX, Zhang XS, Zeng YX, Zhu XF.PLoS One. 2012;7(9):e45058. Epub 2012 Sep 14.
- 2.Association of platelet-derived growth factor receptor accumulation with increased oxidative stress and cellular injury in sestrin 2 silenced human glioblastoma

## Images

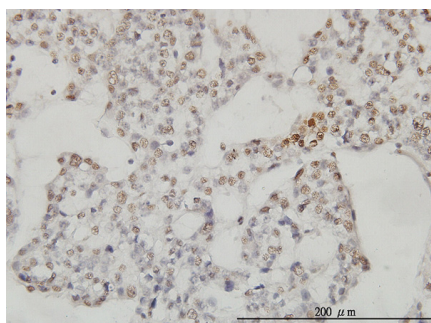


Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (78.54 KDa) .

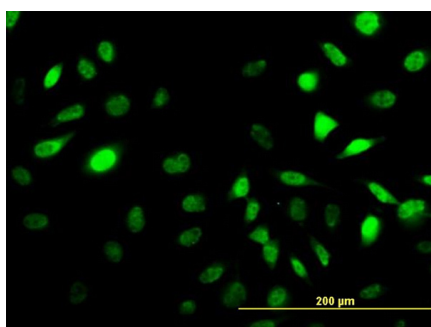


Western Blot analysis of SESN2 expression in transfected 293T cell line by SESN2 monoclonal antibody (M03), clone 3B8.

Lane 1: SESN2 transfected lysate(54.5 KDa).  
Lane 2: Non-transfected lysate.

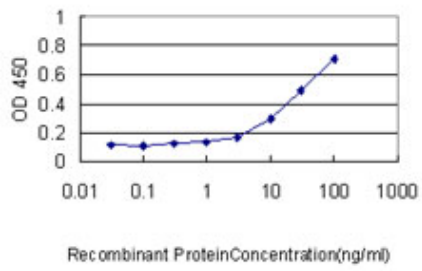
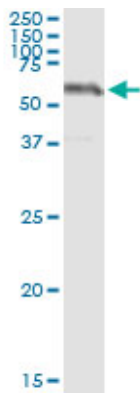


Immunoperoxidase of monoclonal antibody to SESN2 on formalin-fixed paraffin-embedded human ovary, clear cell carcinoma. [antibody concentration 3 ug/ml]



Immunofluorescence of monoclonal antibody to SESN2 on HeLa cell. [antibody concentration 10 ug/ml]

Immunoprecipitation of SESN2 transfected lysate using anti-SESN2 monoclonal antibody and Protein A Magnetic Bead ([U0007](#)), and immunoblotted with SESN2 MaxPab rabbit polyclonal antibody.



Detection limit for recombinant GST tagged SESN2 is approximately 0.3ng/ml as a capture antibody.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.