

SESN2 Antibody (monoclonal) (M03)**Mouse monoclonal antibody raised against a full length recombinant SESN2.****Catalog # AT3830a****Specification**

SESN2 Antibody (monoclonal) (M03) - Product Information

Application	WB, IHC, IF, IP, E
Primary Accession	P58004
Other Accession	BC013304
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG2a Kappa
Calculated MW	54494

SESN2 Antibody (monoclonal) (M03) - Additional Information**Gene ID** 83667**Other Names**

Sestrin-2, Hi95, SESN2, SEST2

Target/Specificity

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.

Dilution

WB~~1:500~1000

IHC~~1:100~500

IF~~1:50~200

IP~~N/A

E~~N/A

Format

Clear, colorless solution in phosphate buffered saline, pH 7.2 .

Storage

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Precautions

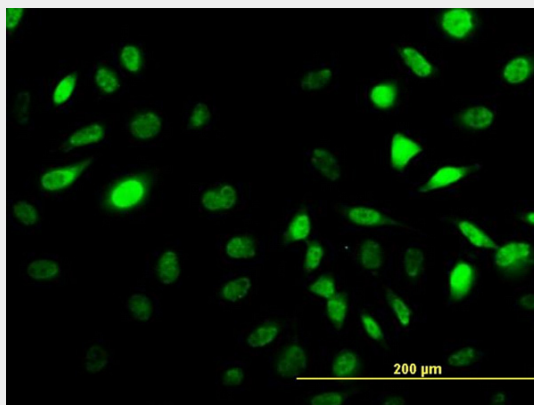
SESN2 Antibody (monoclonal) (M03) is for research use only and not for use in diagnostic or therapeutic procedures.

SESN2 Antibody (monoclonal) (M03) - Protocols

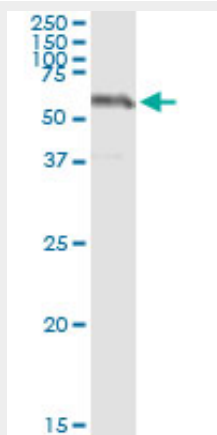
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

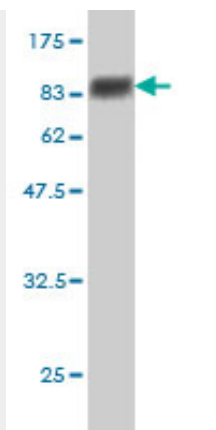
SESN2 Antibody (monoclonal) (M03) - Images



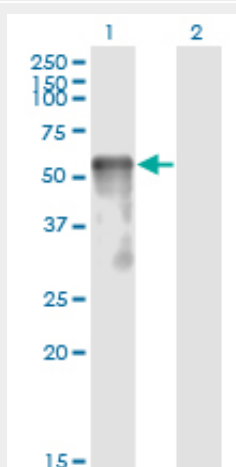
Immunofluorescence of monoclonal antibody to SESN2 on HeLa cell. [antibody concentration 10 ug/ml]



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



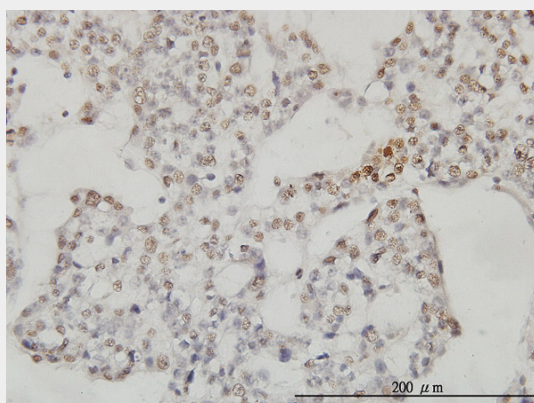
Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (78.54 KDa) .



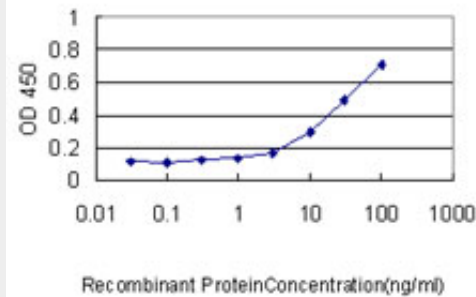
Western Blot analysis of SESN2 expression in transfected 293T cell line by SESN2 monoclonal antibody (M03), clone 3B8.

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]



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

SESN2 Antibody (monoclonal) (M03) - Background

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.

SESN2 Antibody (monoclonal) (M03) - References

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 cells.Liu SY, Lee YJ, Lee TC.FEBS Lett. 2011 Apr 27. [Epub ahead of print]