

## Datasheet

### SESN2 monoclonal antibody (M03), clone 3B8

**Catalog Number:** H00083667-M03

**Regulatory Status:** For research use only (RUO)

**Product Description:** Mouse monoclonal antibody raised against a full length recombinant SESN2.

**Clone Name:** 3B8

**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.

**Sequence:**

MIVADSECRAELKDYLRFAPGGVGDSPGEEQRESR  
ARRGRGPSAFIPVEEVLREGAESLEQHLGLEALMSS  
GRVDNLAVVMGLHPDYFTSFWRLLHYLLLHTDGPLASS  
WRHYIAIMAAARHQCSYLVGSHMAEFLQTGGDPEWLL  
GLHRAPEKLRKLSEINKLLAHRPWLTKEHIQALLKTGE  
HTWSLAELIQALVLLTHCHSLSSFVFGCGILPEGDADG  
SPAPQAPTTPSEQSSPPSRDPLNNSGGFESARDVEAL  
MERMQQLQESLLRDEGTSQEEMESRFELEKSESLLVT  
PSADILEPSPHPDMLCFVEDPTFGYEDFTRRGAQAPP  
TFRAQDYTWEDHGYSLIQRLYPEGGQLLDEKFQAAYS  
LTYNTIAMHSGVDTSVLRRAIWNYYHCVFIRYDDYDY  
GEVNQLLERNLKVYIKTVACYPEKTRRMYNLFWRHF  
RHSEKVHVNLLLLEARMQAALLYALRAITRYMT

**Host:** Mouse

**Reactivity:** Human

**Applications:** ELISA, IF, IHC-P, IP, S-ELISA, WB-Re,  
WB-Tr

(See our web site product page for detailed applications information)

**Protocols:** See our web site at  
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

**Isotype:** IgG2a Kappa

**Storage Buffer:** In 1x PBS, pH 7.4

**Storage Instruction:** Store at -20°C or lower. Aliquot to

avoid repeated freezing and thawing.

**Entrez GeneID:** 83667

**Gene Symbol:** SESN2

**Gene Alias:** DKFZp761M0212, DKFZp761M02121,  
HI95, SES2, SEST2

**Gene Summary:** 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. [provided by RefSeq]

**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]