

Rabbit anti-Human sestrin 1 Monoclonal Antibody | anti-SESN1 antibody

sestrin 1 Rabbit mAb

CATALOG # AAA282828	HOST Rabbit	REACTIVITY Human	APPLICATIONS ELISA, Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

sestrin 1; Monoclonal Antibody; sestrin 1 Rabbit mAb; PA26; SEST1; anti-SESN1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.02% sodium azide, 0.05% BSA, 50% glycerol, pH7.3.
Sequence	KTQHLYLLQMD GPLPLHYRHY IGIMAAARHQ CSYLVNLHVN DFLHVGGDPK WLNGLLENAPQ KLQNLGELNK VLAHRPWLT KEHIEGLLKA EEHSWSLAEL V
Applicable Applications for anti-SESN1 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Cross Reactivity	Human, Mouse
Immunogen	A synthetic peptide corresponding to a sequence within amino acids 100-200 of human sestrin 1 (Q9Y6P5).
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



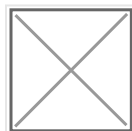
IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded Mouse heart using sestrin 1 Rabbit mAb (AAA282828) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M Tris/EDTA Buffer (pH 9.0) prior to IHC staining.



IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded Human colon carcinoma using sestrin 1 Rabbit mAb (AAA282828) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M Tris/EDTA Buffer (pH 9.0) prior to IHC staining.



WB (Western Blot)

Western blot analysis of various lysates using sestrin 1 Rabbit mAb (AAA282828) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 180s.

ADDITIONAL INFORMATION

Related Product Information for anti-SESN1 antibody	This gene encodes a member of the sestrin family. Sestrins are induced by the p53 tumor suppressor protein and play a role in the cellular response to DNA damage and oxidative stress. The encoded protein mediates p53 inhibition of cell growth by activating AMP-activated protein kinase, which results in the inhibition of the mammalian target of rapamycin protein. The encoded protein also plays a critical role in antioxidant defense by regenerating overoxidized peroxiredoxins, and the expression of this gene is a potential marker for exposure to radiation. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene.
Product Categories/Family for anti-SESN1 antibody	Cell Biology Developmental Biology; Endocrine Metabolism; AMPK Signaling Pathway; Endocrine and metabolic diseases; Obesity; Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	315709500
NCBI GeneID	27244
NCBI Accession #	NP_001186862.1
NCBI GenBank Nucleotide #	NM_001199933.1
UniProt Accession #	Q9Y6P5; Q2M2B7; Q5T316; Q9NV00; Q9UPD5; Q9Y6P6
Molecular Weight	Calculated MW: 57kDa Observed MW: 66kDa
UniProt Protein Name	Sestrin-1
UniProt Gene Name	SESN1
UniProt Synonym Gene Names	PA26; SEST1
UniProt Entry Name	SESN1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/monoclonal/sestrin-1-antibody-immunohistochemistry-western-blot-elisa/282828>