PA26 rabbit pAb

Cat#: orb768423 (Manual)
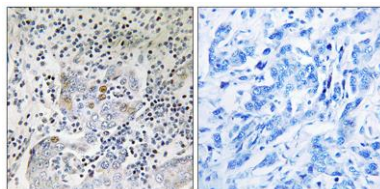
For research use only. Not intended for diagnostic use.

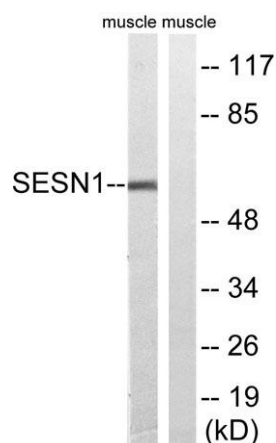|	
Product Name	PA26 rabbit pAb
Host species	Rabbit
Applications	WB;IHC;IF;ELISA
Species Cross-Reactivity	Human;Mouse;Rat
Recommended dilutions	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/20000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human SESN1. AA range:271-320
Specificity	PA26 Polyclonal Antibody detects endogenous levels of PA26 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide..
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Sestrin-1
Gene Name	SESN1
Cellular localization	Nucleus . Cytoplasm .
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal

Concentration	1 mg/ml
Observed band	57kD
Human Gene ID	27244
Human Swiss-Prot Number	Q9Y6P5
Alternative Names	SESN1; PA26; SEST1; Sestrin-1; p53-regulated protein PA26
Background	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. [provided by RefSeq, Dec 2010],

Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue, using SESN1 Antibody. The picture on the right is blocked with the synthesized peptide.

muscle muscle

-- 117

-- 85

SESN1--

-- 48

-- 34

-- 26

-- 19
(kD)

Western blot analysis of lysates from rat muscle cells, using SESN1 Antibody. The lane on the right is blocked with the synthesized peptide.