

产品名称: PA26 Rabbit Polyclonal Antibody
产品货号: AP Rab15675



产品概述 (Summary)

产品名称 (Production Name)	PA26 Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,IHC,ICC/IF,ELISA
种属反应性 (Reactivity)	Human,Mouse,Rat

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Polyclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	SESN1
别名 (Alternative Names)	SESN1; PA26; SEST1; Sestrin-1; p53-regulated protein PA26
基因 ID (Gene ID)	27244.0
蛋白 ID (SwissProt ID)	Q9Y6P5.The antiserum was produced against synthesized peptide derived from human SESN1. AA range:271-320

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:10000-1:20000
蛋白分子量 (Molecular Weight)	57kDa

研究背景 (Background)

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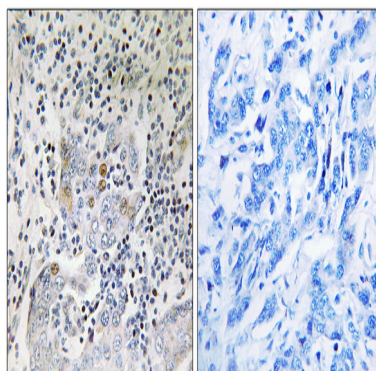


This gene encodes a member of the sestrin family. Sestrins are induced by the p53 tumor suppressor protein and play a role in the cellular response to DNA damage and oxidative stress. The encoded protein mediates p53 inhibition of cell growth by activating AMP-activated protein kinase, which results 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],disease:Defects in SESN1 may be involved in heterotaxia. Heterotaxia is an aetiologically heterogeneous condition caused by an abnormal left-right axis formation, resulting in reversed left-right polarity of one or more organ systems.,function:Involved in the reduction of peroxiredoxins. May also be regulator of cellular growth.,induction:Isoforms T2 and isoform T3 are induced by genotoxic stress (UV, gamma-irradiation and cytotoxic drugs) in a p53-dependent manner. Isoform T1 is not induced by p53.,PTM:Phosphorylated upon DNA damage, probably by ATM or ATR.,similarity:Belongs to the sestrin family.,tissue specificity:Widely expressed.,

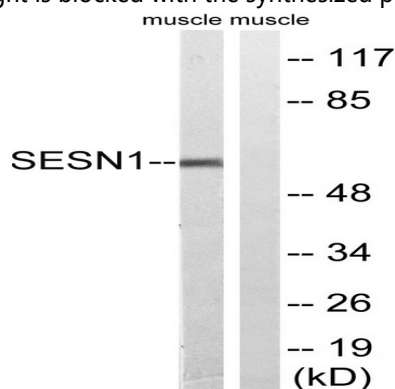
研究领域 (Research Area)

p53;

图片 (Image Data)



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



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

注意事项 (Note)

For research use only .