

For Research Use Only

SENP2 Polyclonal antibody

Catalog Number: 29772-1-AP



Basic Information

Catalog Number: 29772-1-AP	GenBank Accession Number: NM_021627	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 400 µg/ml by Nanodrop;	GeneID (NCBI): 59343	Recommended Dilutions: WB 1:2000-1:10000 IHC 1:500-1:2000
Source: Rabbit	Full Name: SUMO1/sentrin/SMT3 specific peptidase 2	
Isotype: IgG	Calculated MW: 68 kDa	
Immunogen Catalog Number: AG30728	Observed MW: 60-68 kDa	

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls: WB : EC109 cells, MKN-45 cells, SGC-7901 cells IHC : human pancreas cancer tissue,
Species Specificity: Human	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

Background Information

SENP2 (Sentrin-specific protease 2), as a protease, catalyzes two essential functions in the SUMO pathway. The first is the hydrolysis of an alpha-linked peptide bond at the C-terminal end of the small ubiquitin-like modifier (SUMO) propeptides, SUMO1, SUMO2 and SUMO3 leading to the mature form of the proteins (PMID:15296745). The second is the deconjugation of SUMO1, SUMO2 and SUMO3 from targeted proteins, by cleaving an epsilon-linked peptide bond between the C-terminal glycine of the mature SUMO and the lysine epsilon-amino group of the target protein (PMID:20194620, PMID:21965678). It has 2 isoforms with the molecular weight of 66 and 68 kDa.

Storage

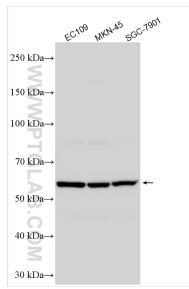
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

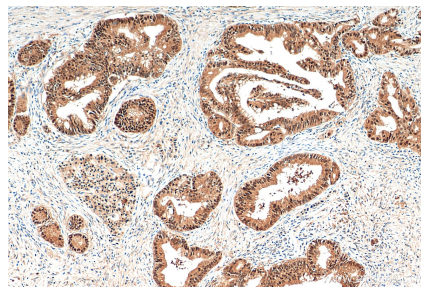
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 29772-1-AP (SENP2 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human pancreas cancer tissue slide using 29772-1-AP (SENP2 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).