

For Research Use Only

SMTN Polyclonal antibody

Catalog Number: 23567-1-AP **3 Publications**



Basic Information

Catalog Number: 23567-1-AP	GenBank Accession Number: BC034237	Purification Method: Antigen Affinity purified
Size: 850 µg/ml	GeneID (NCBI): 6525	Recommended Dilutions: WB 1:500-1:1000 IHC 1:50-1:500
Source: Rabbit	UNIPROT ID: P53814	
Isotype: IgG	Full Name: smoothelin	
Immunogen Catalog Number: AG19983	Calculated MW: 940 aa, 102 kDa	
	Observed MW: 117 kDa	

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls: WB : COLO 320 cells, IHC : human hystero myoma tissue,
Cited Applications: WB	
Species Specificity: mouse, human, rat	
Cited Species: human, mouse	
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

SMTN, also named as Smoothelin, is a 917 amino acid protein, which contains 1 CH (calponin-homology) domain and belongs to the smoothelin family. SMTN as structural protein of the cytoskeleton involve in muscle organ development and smooth muscle contraction.

Notable Publications

Author	Pubmed ID	Journal	Application
Nao Iguchi	31066574	Am J Physiol Renal Physiol	WB
Yinghui Chen	37804474	J Mol Med (Berl)	WB
Fengshi Li	37693888	Int J Nanomedicine	WB

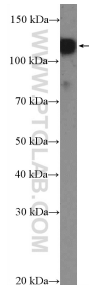
Storage

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

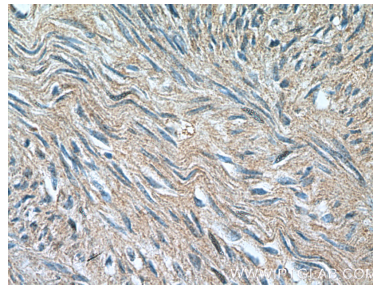
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Selected Validation Data



COLO 320 cells were subjected to SDS PAGE followed by western blot with 23567-1-AP (SMTN Antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human hysteromyoma tissue slide using 23567-1-AP (SMTN Antibody) at dilution of 1:200 (under 40x lens).