

For Research Use Only

# SMTN Polyclonal antibody

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



## Basic Information

<b>Catalog Number:</b> 23567-1-AP	<b>GenBank Accession Number:</b> BC034237	<b>Purification Method:</b> Antigen Affinity purified
<b>Size:</b> 150ul , Concentration: 850 µg/ml by Nanodrop and 333 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 6525	<b>Recommended Dilutions:</b> WB 1:500-1:1000 IHC 1:50-1:500
<b>Source:</b> Rabbit	<b>Full Name:</b> smoothelin	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 940 aa, 102 kDa	
<b>Immunogen Catalog Number:</b> AG19983	<b>Observed MW:</b> 117 kDa	

## Applications

<b>Tested Applications:</b> IHC, WB, ELISA	<b>Positive Controls:</b> WB : COLO 320 cells, IHC : human hystero myoma tissue,
<b>Cited Applications:</b> WB	
<b>Species Specificity:</b> mouse, human, rat	
<b>Cited Species:</b> human, mouse	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## 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

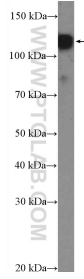
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

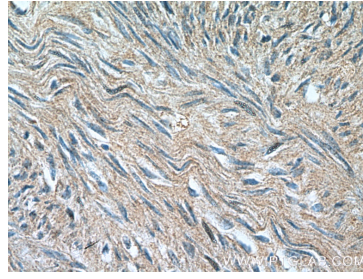
For technical support and original validation data for this product please contact:  
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## Selected Validation Data



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).