

For Research Use Only

Frizzled 5 Polyclonal antibody

Catalog Number: 21519-1-AP **2 Publications**



Basic Information

Catalog Number: 21519-1-AP	GenBank Accession Number: BC114346	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 170 µg/ml by Nanodrop and 133 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 7855	Recommended Dilutions: WB 1:500-1:2000 IHC 1:50-1:500
Source: Rabbit	Full Name: frizzled homolog 5 (Drosophila)	
Isotype: IgG	Calculated MW: 585 aa, 65 kDa	
Immunogen Catalog Number: AG16082	Observed MW: 65-70 kDa	

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls: WB: HeLa cells, COLO 320 cells, PC-3 cells, Jurkat cells, PC-12 cells, mouse colon tissue, mouse small intestine tissue, rat colon tissue
Cited Applications: WB	IHC: human stomach cancer tissue, human prostate cancer tissue
Species Specificity: human, mouse, rat	
Cited Species: 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

Fzd5, is the receptor for the Wnt5A ligand. Fzd5 modulates cell fate and cell behavior during vertebrate development. It regulates hematopoiesis by the antagonism of the canonical Wnt pathway, resulting in a pool of quiescent hematopoietic stem cells, and regulates hematopoietic stem cell function in a paracrine fashion through several distinct mechanisms including modulating canonical Wnt signaling. It acts through noncanonical Wnt signaling to promote angiogenesis. It is also involved in control cell orientation, polarity, and directional movement in response to positional cues from chemokine gradients.

Notable Publications

Author	Pubmed ID	Journal	Application
Wenjia Liu	30555565	Theranostics	WB
Huanji Xu	33637695	Cell Death Discov	WB

Storage

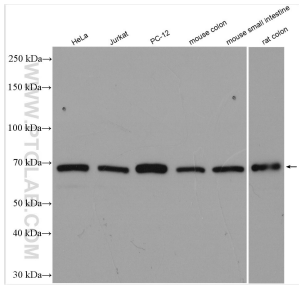
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

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

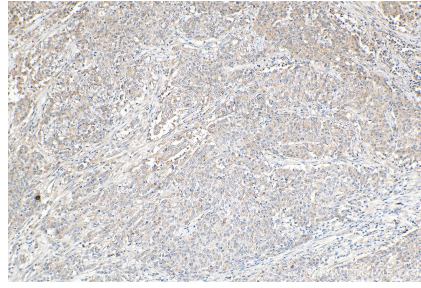
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

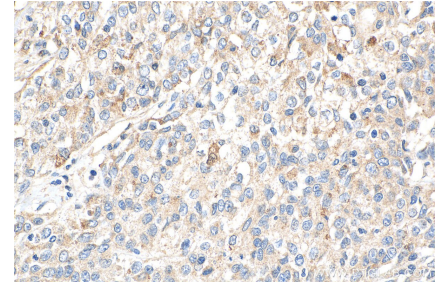
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 21519-1-AP (Frizzled 5 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 21519-1-AP (Frizzled 5 antibody) at dilution of 1:100 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 21519-1-AP (Frizzled 5 antibody) at dilution of 1:100 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).