

For Research Use Only

Frizzled 5 Polyclonal antibody

Catalog Number: 21519-1-AP

Featured Product

2 Publications



Basic Information

Catalog Number:

21519-1-AP

Size:

150ul, Concentration: 170 ug/ml by Nanodrop and 133 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG16082

GenBank Accession Number:

BC114346

GeneID (NCBI):

7855

UNIPROT ID:

Q13467

Full Name:

frizzled homolog 5 (Drosophila)

Calculated MW:

585 aa, 65 kDa

Observed MW:

65-70 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IHC 1:250-1:1000

IF/ICC 1:50-1:500

Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Cited Applications:

WB

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

Positive Controls:

WB: HeLa cells, A549 cells, COLO 320 cells, Jurkat cells, PC-3 cells, mouse lung tissue, PC-12 cells, mouse colon tissue, mouse small intestine tissue, rat colon tissue

IHC: human stomach cancer tissue, human prostate cancer tissue

IF/ICC: HepG2 cells,

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

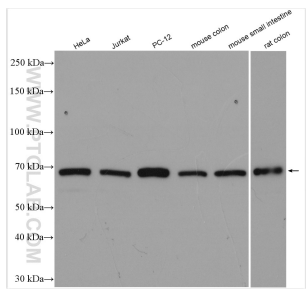
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

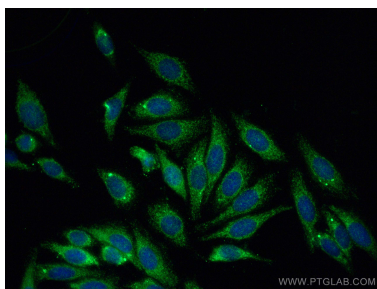
E: proteintech@ptglab.com
W: ptglab.com

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

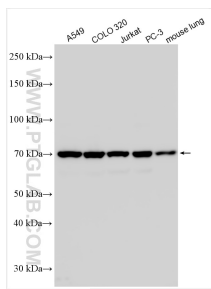
Selected Validation Data



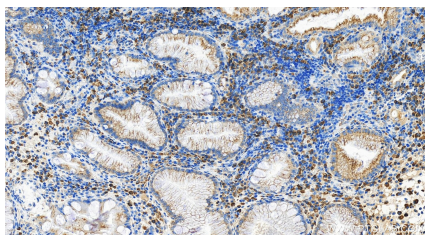
Various lysates were subjected to SDS PAGE followed by western blot with 21519-1-AP (Frizzled 5 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



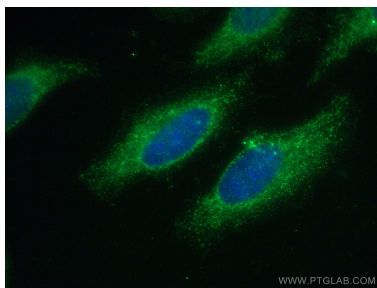
Immunofluorescent analysis of (-20°C Methanol) fixed HepG2 cells using Frizzled 5 antibody (21519-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Various lysates were subjected to SDS PAGE followed by western blot with 21519-1-AP (Frizzled 5 antibody) at dilution of 1:600 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 1:500 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Methanol) fixed HepG2 cells using Frizzled 5 antibody (21519-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).