

For Research Use Only

WNT2 Polyclonal antibody

Catalog Number: 27214-1-AP

Featured Product

13 Publications



Basic Information

Catalog Number:

27214-1-AP

Size:

150ul, Concentration: 650 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG25845

GenBank Accession Number:

BC029854

GeneID (NCBI):

7472

UNIPROT ID:

P09544

Full Name:

wingless-type MMTV integration site family member 2

Calculated MW:

40 kDa

Observed MW:

40 kDa, 34 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

IHC 1:50-1:500

IF/ICC 1:50-1:500

Applications

Tested Applications:

WB, IHC, IF/ICC, FC (Intra), ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, rat

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 : mouse brain tissue, rat brain tissue, MCF-7 cells

IHC : rat brain tissue, mouse brain tissue

IF/ICC : MCF-7 cells,

Background Information

Wnt2 is a secreted glycoprotein that is one of the canonical Wnt ligands. The WNT gene family consists of structurally related genes which encode secreted signaling proteins. These proteins have been implicated in oncogenesis and in several developmental processes, including regulation of cell fate and patterning during embryogenesis. Wnt2 is known to directly regulate β -catenin activity, the key player in proliferation and inflammation. Recently, studies have demonstrated that Wnt2 is overexpressed in various human cancers, including esophageal, gastric, colorectal, breast, lung, cervical, and malignant glioma.

Notable Publications

Author	Pubmed ID	Journal	Application
Yunzhen Ye	30303745	FASEB J	WB
Mingming Zhu	31782192	Phytother Res	WB
Qian Wu	34808323	Brain Res Bull	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

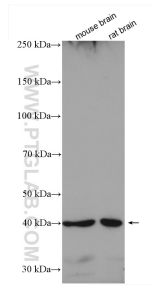
For technical support and original validation data for this product please contact:

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

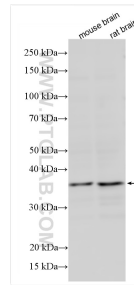
E: proteintech@ptglab.com
W: ptglab.com

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

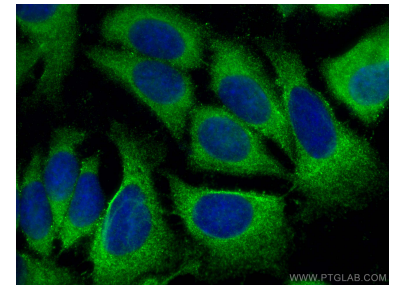
Selected Validation Data



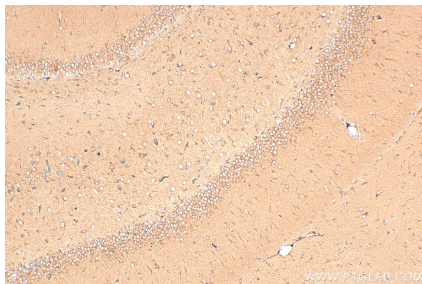
Various lysates were subjected to SDS PAGE followed by western blot with 27214-1-AP (WNT2 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



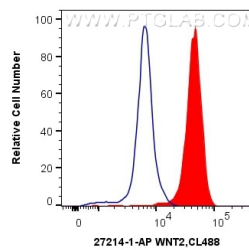
Various lysates were subjected to SDS PAGE followed by western blot with 27214-1-AP (WNT2 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Methanol) fixed MCF-7 cells using WNT2 antibody (27214-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L).



Immunohistochemical analysis of paraffin-embedded rat brain tissue slide using 27214-1-AP (WNT2 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



1X10⁶ Jurkat cells were intracellularly stained with 0.4 ug Anti-Human WNT2 (27214-1-AP) and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Rabbit IgG control Rabbit PolyAb (30000-0-AP, Clone:) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).