

Rabbit Anti-WNT2 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP52104**Specification**

Rabbit Anti-WNT2 Polyclonal Antibody - Product Information

Application	WB, E
Primary Accession	P09544
Reactivity	Human, Mouse, Rat, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	37 KDa
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human WNT2
Isotype	IgG
Purity	
affinity purified by Protein A	
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Secreted.
SIMILARITY	Belongs to the Wnt family.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Background Descriptions

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.

Rabbit Anti-WNT2 Polyclonal Antibody - Additional Information

Gene ID 7472

Other Names

IRP; INT1L1; Protein Wnt-2; Int-1-like protein 1; Int-1-related protein; WNT2

Target/Specificity

Expressed in brain in the thalamus, in fetal and adult lung and in placenta.

Dilution

WB~1:100~1:500
E~N/A

Format

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Rabbit Anti-WNT2 Polyclonal Antibody - Protein Information

Name WNT2

Synonyms INT1L1, IRP

Function

Ligand for members of the frizzled family of seven transmembrane receptors. Functions in the canonical Wnt signaling pathway that results in activation of transcription factors of the TCF/LEF family (PubMed:20018874). Functions as a upstream regulator of FGF10 expression. Plays an important role in embryonic lung development. May contribute to embryonic brain development by regulating the proliferation of dopaminergic precursors and neurons (By similarity).

Cellular Location

Secreted, extracellular space, extracellular matrix. Secreted

Tissue Location

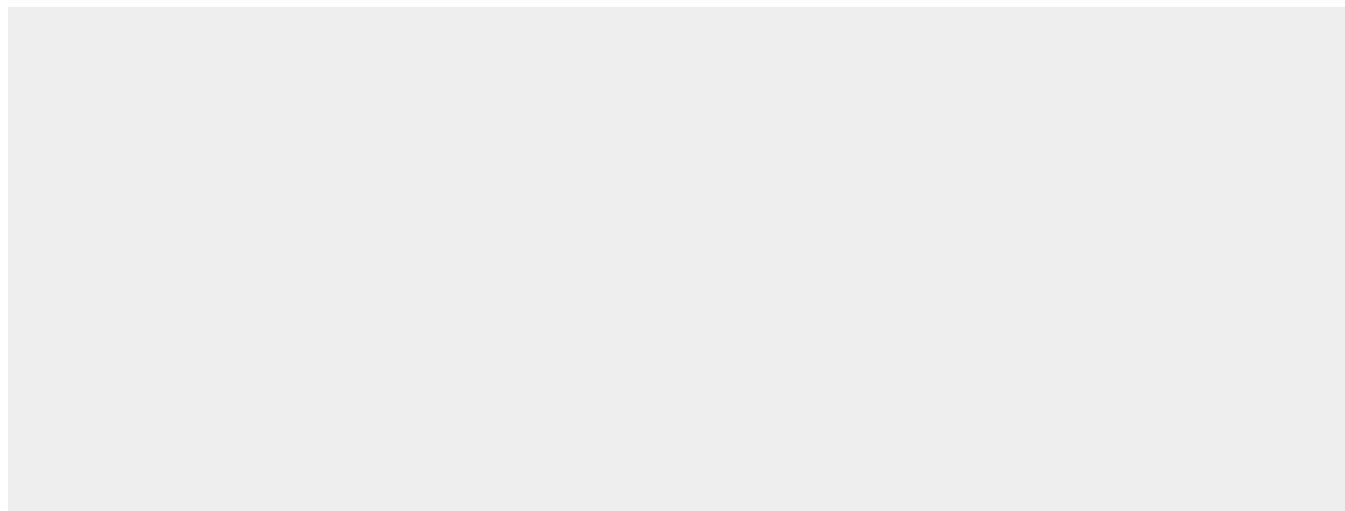
Expressed in brain in the thalamus, in fetal and adult lung and in placenta.

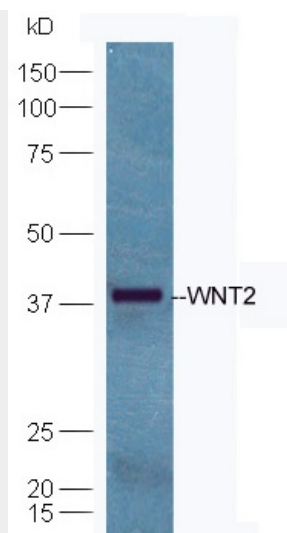
Rabbit Anti-WNT2 Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

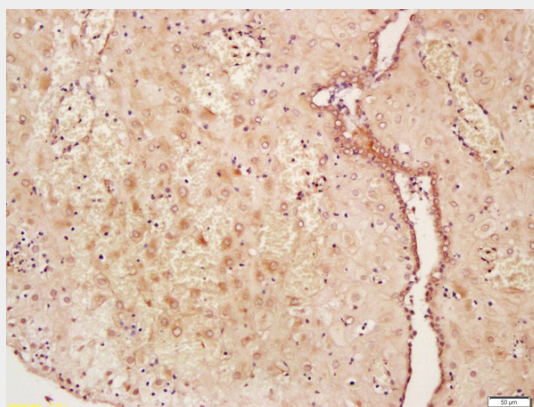
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Rabbit Anti-WNT2 Polyclonal Antibody - Images





Mouse brain lysates probed with Anti-WNT2 Polyclonal Antibody, Unconjugated (AP52104) at 1:300 in 4°C. Followed by conjugation to secondary antibody at 1:5000 90min in 37°C.



Formalin-fixed and paraffin embedded human placenta labeled with Anti-WNT2 Polyclonal Antibody, Unconjugated (AP52104) at 1:200 followed by conjugation to the secondary antibody and DAB staining

Rabbit Anti-WNT2 Polyclonal Antibody - Background

Ligand for members of the frizzled family of seven transmembrane receptors. Probable developmental protein. May be a signaling molecule which affects the development of discrete regions of tissues. Is likely to signal over only few cell diameters.