

Anti-Wnt2b Antibody
Catalog # ABO11293**Specification**

Anti-Wnt2b Antibody - Product Information

Application	WB
Primary Accession	O93097
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Format	Lyophilized

Description

Rabbit IgG polyclonal antibody for Protein Wnt-2b(WNT2B) detection. Tested with WB in Human;Mouse;Rat.

Reconstitution

Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Anti-Wnt2b Antibody - Additional Information

Gene ID 7482

Other Names

Protein Wnt-2b, Protein Wnt-13, WNT2B, WNT13

Calculated MW

43770 MW KDa

Application Details

Western blot, 0.1-0.5 µg/ml, Human, Mouse, Rat

Subcellular Localization

Secreted, extracellular space, extracellular matrix.

Tissue Specificity

Isoform 1 is expressed in adult heart, brain, placenta, lung, prostate, testis, ovary, small intestine and colon. In the adult brain, it is mainly found in the caudate nucleus, subthalamic nucleus and thalamus. Also detected in fetal brain, lung and kidney. Isoform 2 is expressed in fetal brain, fetal lung, fetal kidney, caudate nucleus, testis and cancer cell lines.

Protein Name

Protein Wnt-2b

Contents

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na₂HPO₄, 0.05mg Thimerosal, 0.05mg NaN₃.

Immunogen

A synthetic peptide corresponding to a sequence in the middle region of human Wnt2b(169-185aa DPYTRGRHHDQRGDFDW), identical to the related rat and mouse sequences.

Purification

Immunogen affinity purified.

Cross Reactivity

No cross reactivity with other proteins

Storage

At -20°C for one year. After r°Constitution, at 4°C for one month. It°Can also be aliquotted and stored frozen at -20°C for a longer time.Avoid repeated freezing and thawing.

Anti-Wnt2b Antibody - Protein Information

Name WNT2B

Synonyms WNT13

Function

Ligand for members of the frizzled family of seven transmembrane receptors. Functions in the canonical Wnt/beta-catenin signaling pathway. Plays a redundant role in embryonic lung development.

Cellular Location

Secreted, extracellular space, extracellular matrix. Secreted

Tissue Location

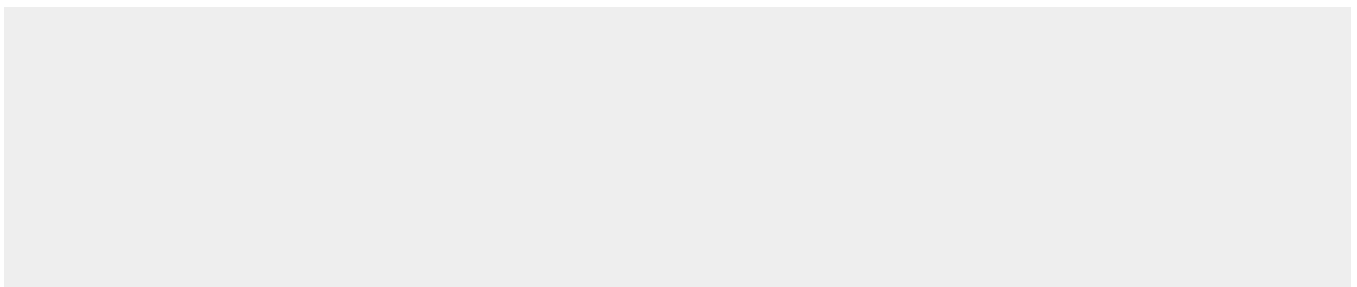
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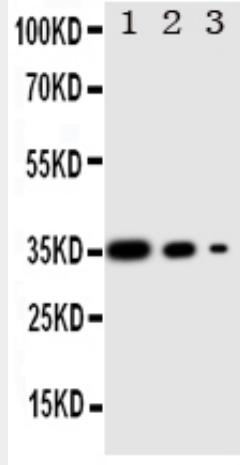
Anti-Wnt2b Antibody - Protocols

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](#)

Anti-Wnt2b Antibody - Images





Anti-Wnt2b antibody, ABO11293, Western blotting Recombinant Protein Detection Source :E.coli derived -recombinant Human WNT2B, 35.78KD(162aa tag+ R101-A254) Lane 1: Recombinant Human WNT2B Protein 10ng Lane 2: Recombinant Human WNT2B Protein 5ng Lane 3: Recombinant Human WNT2B Protein 2.5ng

Anti-Wnt2b Antibody - Background

WNT2B(Wingless-Type MMTV Integration Site Family Member 2B), is a protein that in humans is encoded by the WNT2B gene. This gene encodes a member of the wingless-type MMTV integration site(WNT) family of highly conserved, secreted signaling factors. Katoh et al.(1996) used fluorescence in situ hybridization to map the WNT13 gene to chromosome 1p13. WNT family members function in a variety of developmental processes including regulation of cell growth and differentiation and are characterized by a WNT-core domain. This gene may play a role in human development as well as human carcinogenesis.