

Anti-Wnt2b Antibody

Catalog # ABO11293

Specification

Anti-Wnt2b Antibody - Product Information

ApplicationWBPrimary Accession093097HostRabbitReactivityHuman, Mouse, RatClonalityPolyclonalFormatLyophilizedDescriptionRabbit IgG polyclonal antibody for Protein Wnt-2b(WNT2B) detection. Tested with WB inHuman;Mouse;Rat.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 Wht2b(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.

- <u>Western Blot</u>
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- <u>Cell Culture</u>

Anti-Wnt2b Antibody - Images





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