10320 Camino Santa Fe, Suite G
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Tel: 858.875.1900 Fax: 858.875.1999

Anti-Wnt2b Picoband Antibody

Catalog # ABO12151

Specification

Anti-Wnt2b Picoband Antibody - Product Information

Application	**WB, IHC-P**
Primary Accession	Q93097
Host	**Rabbit**
Reactivity	**Human, Mouse, Rat**
Clonality	**Polyclonal**
Format	**Lyophilized**

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

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

Anti-Wnt2b Picoband Antibody - Additional Information

Gene ID 7482

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

Calculated MW
43770 MW KDa

Application Details
Immunohistochemistry(Paraffin-embedded Section), 0.5-1 µg/ml, Human, Mouse, Rat, By Heat
Western blot, 0.1-0.5 µg/ml, Human

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 NaN3.

Immunogen
A synthetic peptide corresponding to a sequence at the N-terminus of human Wnt2b (87-112 aa

QRYPDIMRSVGEGAREWIRECQHQFR), identical to the related mouse and rat 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 Picoband 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
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

Anti-Wnt2b Picoband 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 Cytomety
- Cell Culture

Anti-Wnt2b Picoband Antibody - Images

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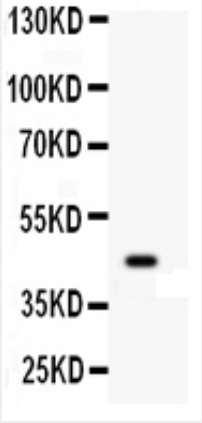
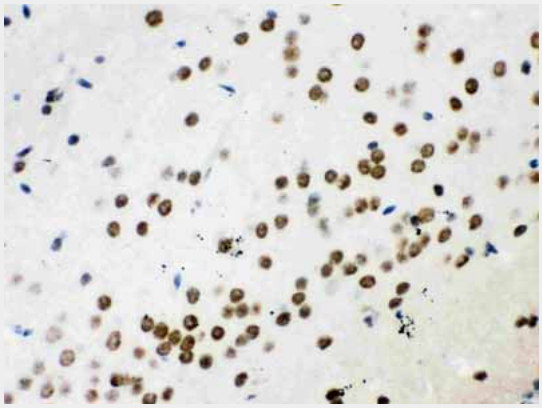
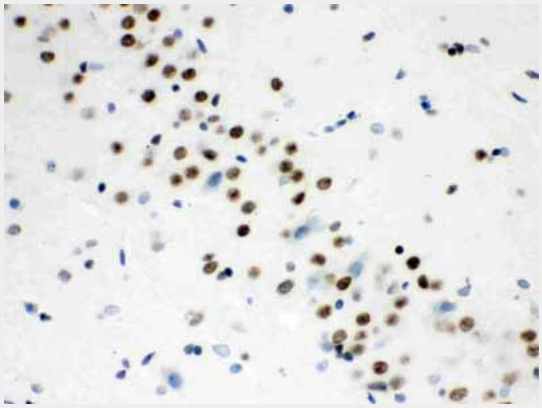


Anti- WNT2B Picoband antibody, ABO12151, Western blottingAll lanes: Anti WNT2B (ABO12151) at 0.5ug/mlWB: 22RV1 Whole Cell Lysate at 40ugPredicted bind size: 44KDObserved bind size: 44KD



Anti- WNT2B Picoband antibody, ABO12151, IHC(P)IHC(P): Mouse Brain Tissue



Anti- WNT2B Picoband antibody, ABO12151, IHC(P)IHC(P): Rat Brain Tissue

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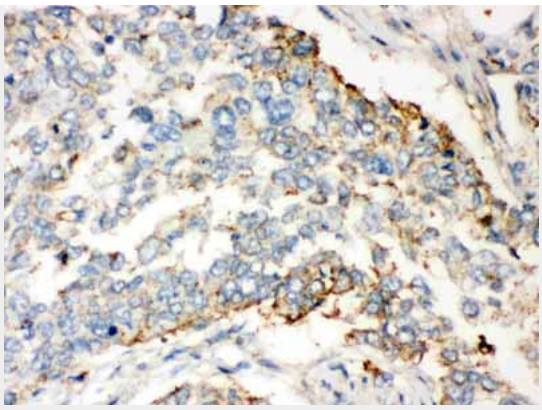

Anti- WNT2B Picoband antibody, ABO12151, IHC(P)IHC(P): Human Lung Cancer Tissue

Anti-Wnt2b Picoband 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.