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Anti-Wnt2b Picoband Antibody

Catalog # ABO12151

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.

Additional Information

Gene ID	7482
Other Names	Protein Wnt-2b, Protein Wnt-13, WNT2B, WNT13
Calculated MW	43770
Application Details	Immunohistochemistry(Paraffin-embedded Section), 0.5-1 □g/ml, Human, Mouse, Rat, By Heat Western blot, 0.1-0.5 □g/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.
Source	Eukaryota
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.

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

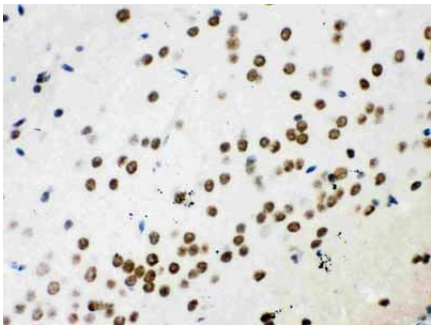
Background

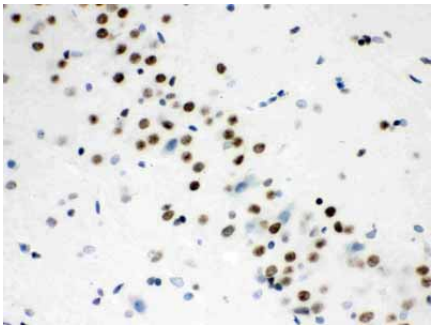
WNT2B (Wingless-Type MMTV Integration Site Family Member 2B), is a protein that in humans is encoded by the WNT2B gene. This gene encodes a member of the wingless-type MMTV integration site (WNT) family of highly conserved, secreted signaling factors. Katoh et al. (1996) used fluorescence in situ hybridization 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.

Images

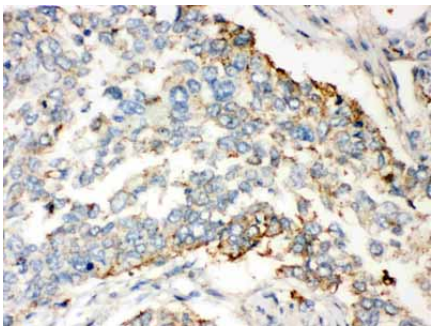
Anti- WNT2B Picoband antibody, ABO12151, Western blottingAll lanes: Anti WNT2B (ABO12151) at 0.5ug/mlWB: 22RV1 Whole Cell Lysate at 40ugPredicted bind size: 44KDObserved bind size: 44KD

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





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



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