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WNT2B Rabbit pAb

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Catalog # AP52308

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	Q93097
Reactivity	Rat, Mouse
Predicted	Pig, Dog, Human, Rabbit, Chicken, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	43770
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human WNT2B
Epitope Specificity	301-391/391
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, extracellular space, extracellular matrix.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	WNT2B is a member of the wingless-type MMTV integration site (WNT) family of highly conserved, secreted signaling factors. 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. This gene produces two alternative transcript variants.This gene encodes a member of the wingless-type MMTV integration site (WNT) family of highly conserved, secreted signaling factors. 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. This gene produces two alternative transcript variants.

Additional Information

Gene ID	7482
Other Names	Protein Wnt-2b, Protein Wnt-13, WNT2B, WNT13
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
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.

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

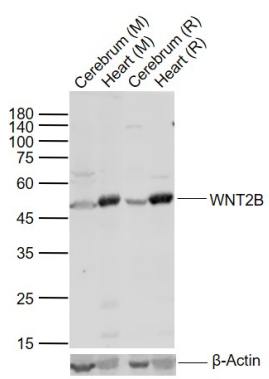
Background

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References

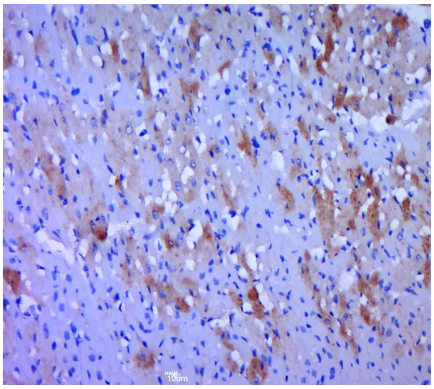
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Images



Sample:
Lane 1: Mouse Cerebrum tissue lysates
Lane 2: Mouse Heart tissue lysates
Lane 3: Rat Cerebrum tissue lysates
Lane 4: Rat Heart tissue lysates
Primary: Anti-WNT2B (AP52308) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 44 kDa
Observed band size: 47 kDa

Paraformaldehyde-fixed, paraffin embedded (rat heart tissue); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (WNT2B) Polyclonal Antibody, Unconjugated (AP52308) at 1:400 overnight at 4°C,



followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.