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WNT7B Rabbit pAb

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Catalog # AP58402

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	P56706
Reactivity	Rat, Human, Mouse
Predicted	Pig, Rabbit, Chicken, Dog, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	39327
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human WNT7B
Epitope Specificity	241-300/349
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	Wnt7b is a secreted glycosylated protein that belongs to the Wnt family. Wnt proteins can be lipid modified and are ligands for members of the frizzled family of receptors, which mediate cell-cell communication during development. Wnt7b is thought to modulate several important signaling pathways in the lung which results in the coordinated proliferation of adjacent epithelial and mesenchymal cells to stimulate organ growth.

Additional Information

Gene ID	7477
Other Names	Protein Wnt-7b, WNT7B
Dilution	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

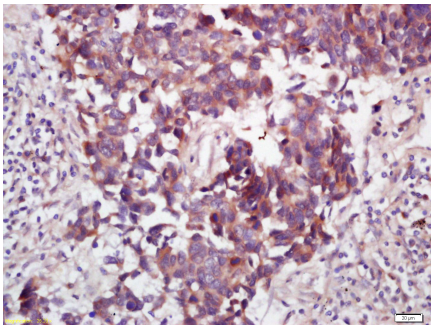
Name	WNT7B

Function	Ligand for members of the frizzled family of seven transmembrane receptors that functions in the canonical Wnt/beta- catenin signaling pathway (PubMed:30026314). Required for normal fusion of the chorion and the allantois during placenta development (By similarity). Required for central nervous system (CNS) angiogenesis and blood-brain barrier regulation (PubMed:30026314).
Cellular Location	Secreted, extracellular space, extracellular matrix. Secreted
Tissue Location	Moderately expressed in fetal brain, weakly expressed in fetal lung and kidney, and faintly expressed in adult brain, lung and prostate

Background

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Images



Tissue/cell: human lung carcinoma; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37℃ for 20 min; Incubation: Anti-WNT7B Polyclonal Antibody, Unconjugated(AP58402) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

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