



## Rabbit Anti-WNT7B antibody

SL6244R

<b>Product Name:</b>	WNT7B
<b>Chinese Name:</b>	Wnt蛋白家族7B抗体
<b>Alias:</b>	Protein Wnt-7b; Wingless related MMTV integration site 7B; Wingless type MMTV integration site family member 7B; WNT7B; WNT7B_HUMAN.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Chicken,Dog,Pig,Horse,Rabbit,
<b>Applications:</b>	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	36kDa
<b>Cellular localization:</b>	Extracellular matrixSecretory protein
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human WNT7B:241-300/349
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. 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.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	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.

**Function:**

Ligand for members of the frizzled family of seven transmembrane receptors. Probable developmental protein. May be a signaling molecule which affects the development of discrete regions of tissues. Is likely to signal over only few cell diameters (By similarity).

**Subunit:**

Interacts with PORCN (By similarity).

**Subcellular Location:**

Secreted, extracellular space, extracellular matrix.

**Tissue Specificity:**

Moderately expressed in fetal brain, weakly expressed in fetal lung and kidney, and faintly expressed in adult brain, lung and prostate.

**Post-translational modifications:**

Palmitoylation at Ser-206 is required for efficient binding to frizzled receptors. It is also required for subsequent palmitoylation at Cys-73. Palmitoylation is necessary for proper trafficking to cell surface (By similarity).

**Similarity:**

Belongs to the Wnt family

**SWISS:**

P56706

**Gene ID:**

7477

**Database links:**

[Entrez Gene: 7477](#)Human

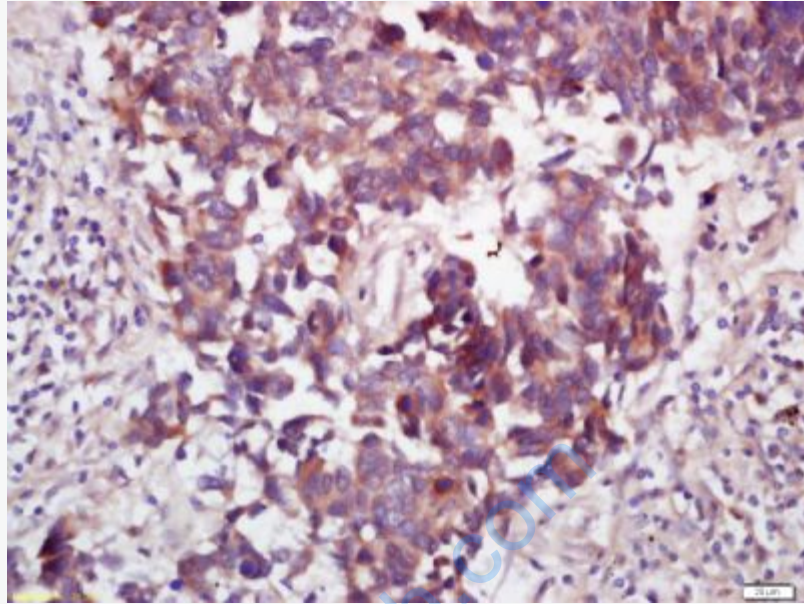
[Omin: 601967](#)Human

[SwissProt: P56706](#)Human

[Unigene: 512714](#)Human

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

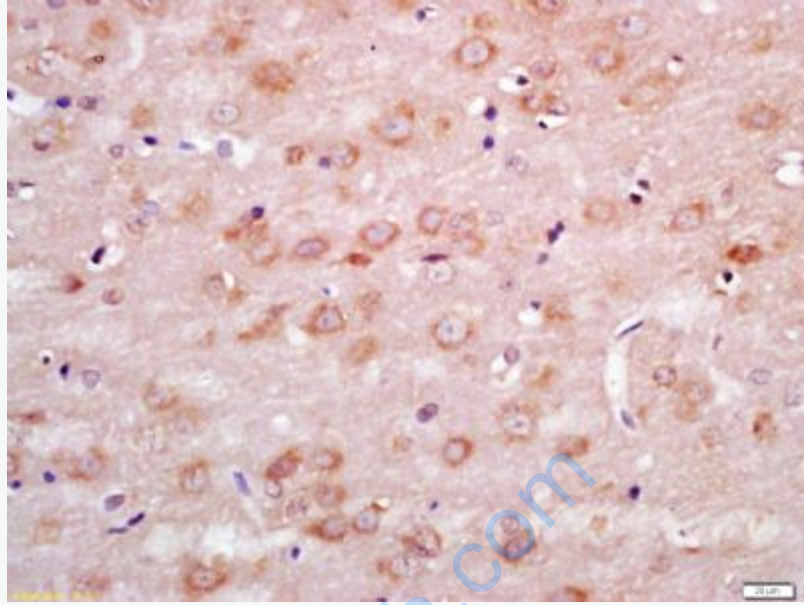


**Picture:**

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°C for 20 min;

Incubation: Anti-WNT7B Polyclonal Antibody, Unconjugated(SL6244R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



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