



Rabbit Anti-WNT2B antibody

SL1946R

Product Name:	WNT2B
Chinese Name:	信号通路Wnt2B抗体
Alias:	wingless-type MMTV integration site family, member 2B; XWNT2; WNT13; WNT2B HUMAN.
文献引用 PubMed :	Specific References(1) SL1946R has been referenced in 1 publications. [IF=5.06] Li, Guo, et al. "MicroRNA-324-3p regulates nasopharyngeal carcinoma radioresistance by directly targeting WNT2B." European Journal of Cancer (2013). WB; PubMed:23583221
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Dog,Pig,Horse,Rabbit,
Applications:	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.
Molecular weight:	44kDa
Cellular localization:	Extracellular matrixSecretory protein
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human WNT2B:301-391/391
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	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.

PubMed:

[PubMed](#)

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.

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. May be involved in normal development or differentiation as well as in carcinogenesis.

Subcellular Location:

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.

Post-translational modifications:

Palmitoylation at Ser-243 is required for efficient binding to frizzled receptors. It is also required for subsequent palmitoylation at Cys-107. Palmitoylation is necessary for proper trafficking to cell surface (By similarity).

Similarity:

Belongs to the Wnt family.

SWISS:

Q93097

Gene ID:

7482

Database links:

[Entrez Gene: 445420](#)Cow

Product Detail:

[Entrez Gene: 7482](#)Human

[Entrez Gene: 22414](#)Mouse

[Entrez Gene: 116466](#)Rat

[Oimim: 601968](#)Human

[SwissProt: Q93097](#)Human

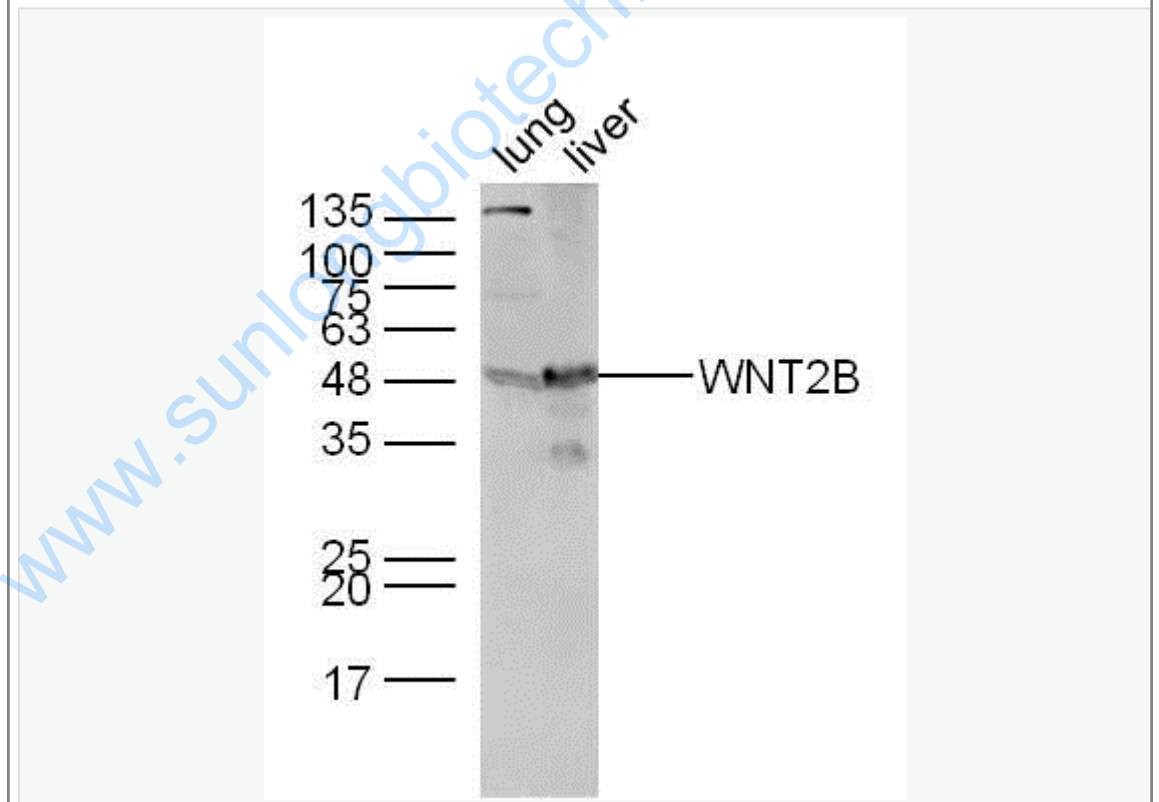
[SwissProt: O70283](#)Mouse

[Unigene: 27254](#)Cow

Important Note:

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

Picture:



Protein:

lung(mouse) lysates at 30ug;

liver(mouse) lysates at 30ug;

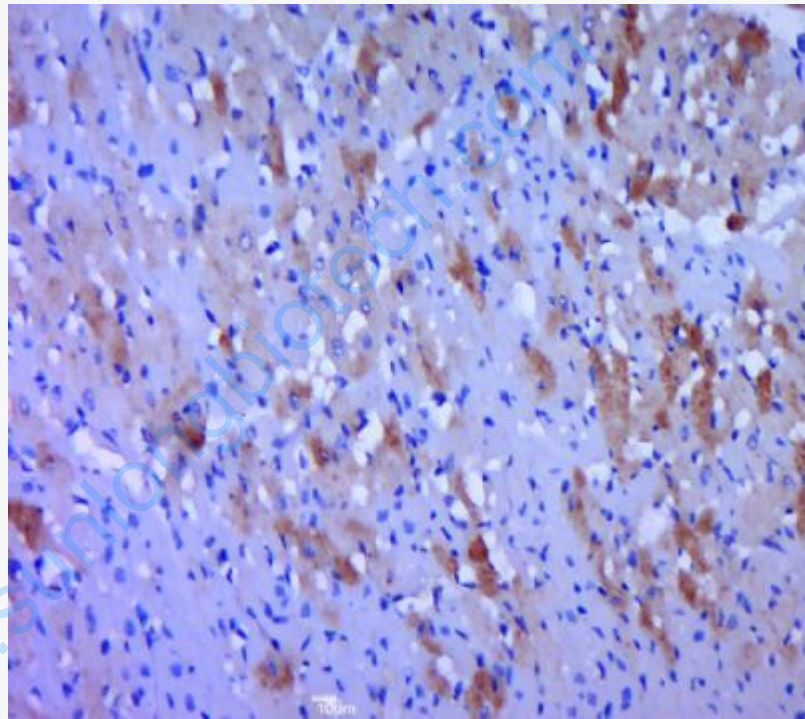
Primary: Anti-WNT2B(SL1946R) at 1:200;

Secondary: HRP conjugated Goat Anti-Rabbit IgG(SL1946R) at 1: 3000;

ECL excited the fluorescence;

Predicted band size : 44kD

Observed band size : 48kD



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 (SL1946R) at 1:400 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.