Anti-Wnt2b Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

Catalog # R014126

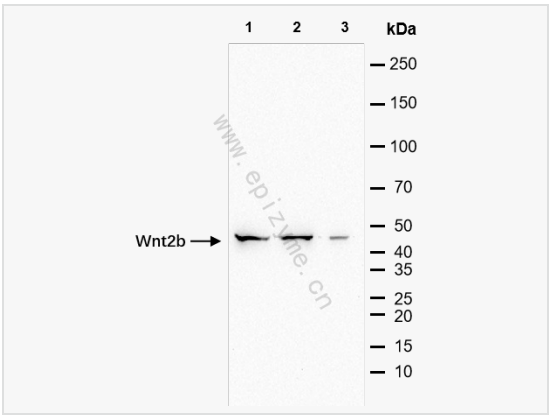
Product Information

Application	ELISA, WB, IHC-P/IF (Tissue-P), IF (Cell)/ICC
Reactivity	Human
Dilution	WB 1:1,000~1:5,000; IHC-P 1:100~1:200; IF 1:100~1:200
Host	Rabbit
Clonality	Monoclonal
Clone No.	45T51R63
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human Wnt2b
Format	Affinity purified monoclonal antibody supplied in PBS with 0.01% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-Wnt2b Rabbit mAb [45T51R63] is for research use only and not for use in diagnostic or therapeutic procedures.

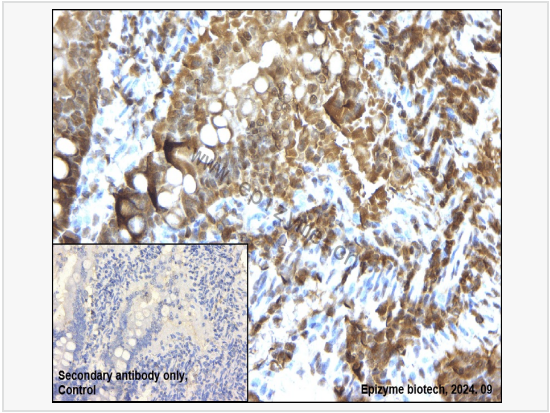
Protein Information

Synonyms	Protein Wnt-13, Protein Wnt-2b, Wingless type MMTV integration site family, member 13, Wingless type MMTV integration site family, member 2B, WNT13, Wnt2b, WNT2B_HUMAN, XWNT2, XWNT2, Xenopus, homolog of.
Calculated MW	Calculated MW: 44 kDa; Observed MW: 44 kDa
Uniprot ID	Q93097
Gene ID	7482
Background	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.
Cellular Location	Secreted > extracellular space > extracellular matrix.
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.

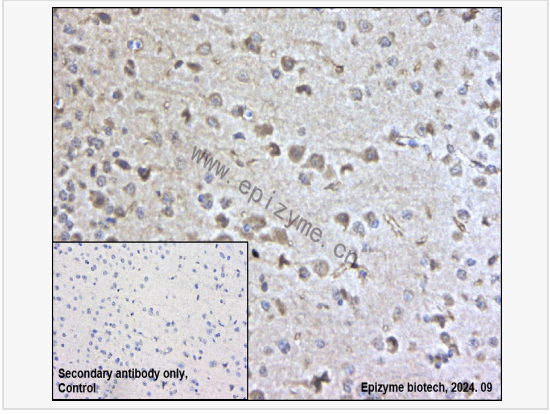
Validation Images



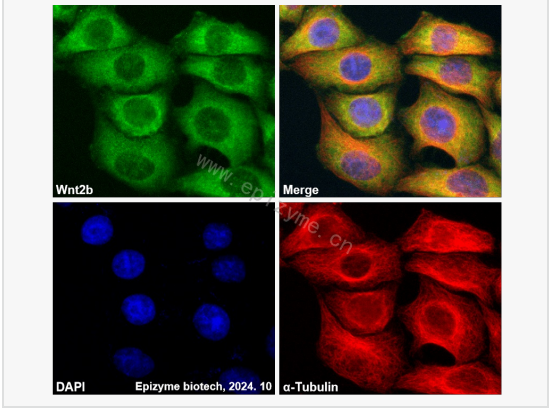
Western Blot - Anti-Wnt2b Rabbit mAb [45T51R63]
All lanes: R014126 at 1:5,000 dilution
Lane 1: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates
Lane 2: HCT116 (Human colorectal carcinoma epithelial cell) whole cell lysates
Lane 3: T24 (Human bladder cancer epithelial cell) whole cell lysates
Lysates/proteins at 10 µg per lane.
Secondary antibody: Goat Anti-Rabbit IgG(H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution
Predicted band size: 44 kDa
Observed band size: 44 kDa
Developed using the ECL technique (Cat. No. SQ201).



Immunohistochemistry - Anti-Wnt2b Rabbit mAb [45T51R63]
Sample: Paraformaldehyde-fixed, paraffin embedded rat colon tissue
Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.
Primary antibody: R014126 at 1:200 dilution
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution
DAB was used as the chromogen.
Counter stained with hematoxylin.
Positive/negative staining were presented.
Only the secondary antibody was used as the negative control.



Immunohistochemistry - Anti-Wnt2b Rabbit mAb [45T51R63]
Sample: Paraformaldehyde-fixed, paraffin embedded mouse brain tissue
Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.
Primary antibody: R014126 at 1:200 dilution
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution
DAB was used as the chromogen.
Counter stained with hematoxylin.
Positive/negative staining were presented.
Only the secondary antibody was used as the negative control.



Immunofluorescence - Anti-Wnt2b Rabbit mAb [45T51R63]
Sample: HeLa cells
The cells were fixed with 4% paraformaldehyde (10 min), permeabilized with 0.5% Triton X-100 for 10 minutes and then blocked with 5% BSA in 0.1% PBS-Tween for 0.5 hours.
Primary antibodies: R014126 at 1:100 dilution and α-tubulin Mouse Monoclonal Antibody (Cat. No. LF209) at 1:100 dilution
Secondary antibodies: Goat anti-Rabbit (488) at 1:1,000 dilution (shown in green) and Goat anti-Mouse (555) at 1:1,000 dilution (shown in red)
Nuclei were stained with DAPI (shown in blue).