## Wnt2b Rabbit mAb

Catalog No: #49802

Package Size: #49802-1 50ul #49802-2 100ul



Orders: order@signalwayantibody.com Support: tech@signalwayantibody.com

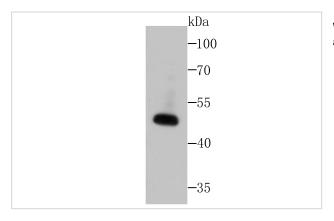
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Descri	ntion
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Product Name	Wnt2b Rabbit mAb	
Host Species	Recombinant Rabbit	
Clonality	Monoclonal antibody	
Clone No.	JB48-34	
Purification	ProA affinity purified	
Applications	WB,IHC,ICC,IF,FC	
Species Reactivity	Human;Mouse;Rat	
Immunogen Description	Recombinant protein	
Conjugates	Unconjugated	
Other Names	Protein Wnt-13 antibody Protein Wnt-2b antibody Wingless type MMTV integration site family, member	
	13 antibody Wingless type MMTV integration site family, member 2B antibody WNT13 antibody Wnt2b	
	antibody WNT2B_HUMAN antibody XWNT2 antibody XWNT2, Xenopus, homolog of antibody	
Accession No.	Swiss-Prot#:Q93097	
Calculated MW	44 kDa	
	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.	
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.	
Storage	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.  Store at -20°C	

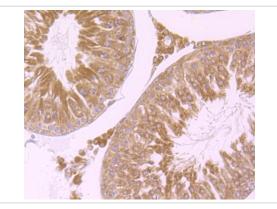
### **Application Details**

WB: 1:500-1:1,000 IHC: 1:50-1:200 ICC: 1:100-1:500FC: 1:50-1:100

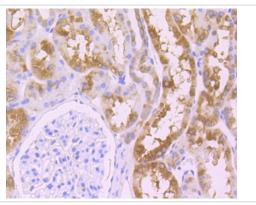
# Images



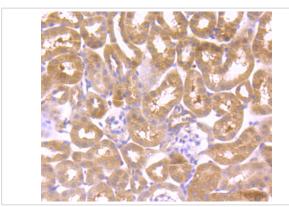
Western blot analysis of Wnt2b on SiHa cell lysates using anti-Wnt2b at 1/500 dilution.



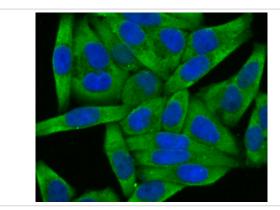
Immunohistochemical analysis of paraffin-embedded rat testis tissue using anti-Wnt2b antibody. Counter stained with hematoxylin.



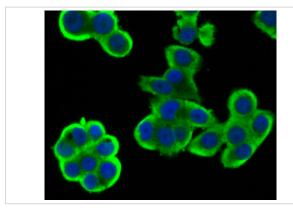
Immunohistochemical analysis of paraffin-embedded human kidney tissue using anti-Wnt2b antibody. Counter stained with hematoxylin.



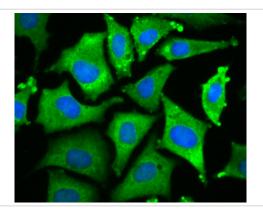
Immunohistochemical analysis of paraffin-embedded mouse kidney tissue using anti-Wnt2b antibody. Counter stained with hematoxylin.



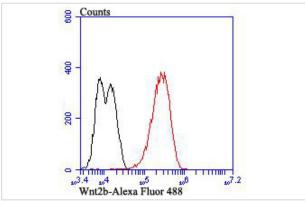
ICC staining Wnt2b in Hela cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining Wnt2b in LOVO cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining Wnt2b in SHSY-5Y cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



Flow cytometric analysis of LOVO cells with Wnt2b antibody at 1/50 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor 488-conjugated goat anti-rabbit IgG was used as the secondary antibody.

#### Background

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 carcinogenesis. Alternative splicing results in multiple transcript variants. 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.

#### References

- 1. Katoh M. et al. Cloning, expression and chromosomal localization of Wnt-13, a novel member of the Wnt gene family. Oncogene 13:873-876(1996).
- 2. Katoh M. et al. Alternative splicing of the WNT-2B/WNT-13 gene. Biochem. Biophys. Res. Commun. 275:209-216(2000).

### **Published Papers**

el at., Modeling human ectopic pregnancies with trophoblast and vascular organoidsIn Cell Rep On2023 Jun 27byXiaoya Zhao , Zhenwu Zhang et al..PMID:37224015, , (2023)

PMID:37224015

Note: This product is for in vitro research use only and is not intended for use in humans or animals.