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## Wnt2b Recombinant Rabbit mAb

Catalog Number: bsm-54266R

Target Protein: Wnt2b

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Recombinant

Clone No.: 2G5

Isotype: IgG

Applications: WB (1:500-1000), IHC-P (1:50-200), IHC-F (1:400-800), IF (1:100-500), Flow-Cyt (1:50), ICC/IF (1:50)

Reactivity: Human, Mouse, Rat

Predicted MW: 44 kDa

Entrez Gene: 7482

Swiss Prot: Q93097

Purification: affinity purified by Protein A

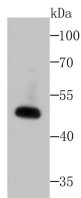
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

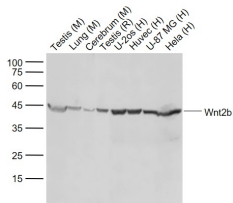
**Background:** WNT2B is a member of the wingless-type MMTV integration site (WNT) family of highly conserved, secreted signaling factors. WNT family members function in a variety of developmental processes including regulation of cell growth and differentiation and are characterized by a WNT-core domain. 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.

### VALIDATION IMAGES

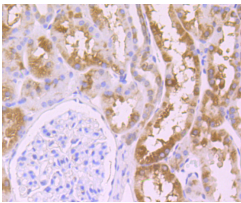
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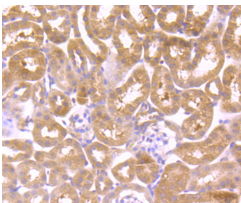
Sample: Lane 1: SiHa cell lysate Primary: Anti-Wnt2b (bsm-54266R) at 1:500 dilution Secondary: Goat Anti-Rabbit IgG - HRP at 1:5000 dilution Predicted band size: 44 kD Observed band size: 48 kD



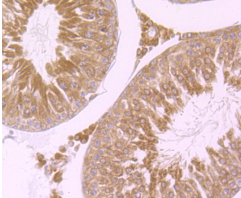
Sample: Lane 1: Mouse Testis tissue lysates Lane 2: Mouse Lung tissue lysates Lane 3: Mouse Cerebrum tissue lysates Lane 4: Rat Testis tissue lysates Lane 5: Human U-20s cell lysates Lane 6: Human Huvec cell lysates Lane 7: Human U-87 MG cell lysates Lane 8: Human Hela cell lysates Primary: Anti-Wnt2b (bsm-54266R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 44 kDa Observed band size: 44 kDa



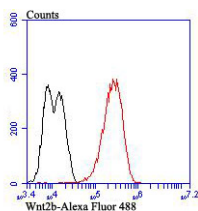
Paraformaldehyde-fixed, paraffin embedded (human kidney); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Wnt2b) Monoclonal Antibody, Unconjugated (bsm-54266R) at 1:50 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (mouse kidney); 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) Monoclonal Antibody, Unconjugated (bsm-54266R) at 1:50 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (rat testis); 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) Monoclonal Antibody, Unconjugated (bsm-54266R) at 1:50 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Blank control: LOVO. Primary Antibody (green line): Rabbit Anti-Wnt2b antibody (bsm-54266R) Dilution: 1:50; Isotype Control Antibody (orange line): Rabbit IgG. Secondary Antibody: Goat anti-rabbit IgG-AF488 Dilution: 1:1000. Protocol The cells were fixed with 4% PFA (10min at room temperature) and then permeabilized with 0.1% PBST for 20 min at room temperature. The cells were then incubated in 5% BSA to block non-specific protein-protein interactions for 30 min at room temperature. Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.

## PRODUCT SPECIFIC PUBLICATIONS

[IF=5.736] Lan Zhang, et al. Inhibited HDAC3 promotes microRNA-376c-3p to suppress malignant phenotypes of gastric cancer cells by reducing WNT2b. Genomics. 2021 Jul; WB ; Human . 34284078