

Anti-Wnt16 Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

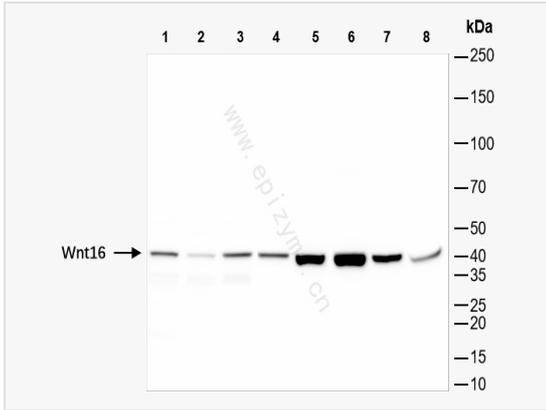
Catalog # R014084

Product Information

Application	WB, IHC-P/IF (Tissue-P), ELISA
Reactivity	Human, Mouse, Rat
Dilution	WB 1:1,000~1:2,000; IHC-P 1:100~1:200; IF 1:100~1:200
Host	Rabbit
Clonality	Monoclonal
Clone No.	41N75F21
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human Wnt16
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-Wnt16 Rabbit mAb [41N75F21] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	Protein Wnt 16 precursor, Protein Wnt-16, Wingless type MMTV integration site family member 16, WNT16, WNT16_HUMAN.
Calculated MW	Calculated MW: 41 kDa; Observed MW: 41 kDa
Uniprot ID	Q9UBV4
Gene ID	51384
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 Wnt-16b is expressed in peripheral lymphoid organs such as spleen, appendix, and lymph nodes, in kidney but not in bone marrow. Isoform Wnt-16a is expressed at significant levels only in the pancreas.



Western Blot - Anti-Wnt16 Rabbit mAb [41N75F21]

All lanes: R014084 at 1:1,000 dilution

Lane 1: HepG2 (Human hepatocarcinoma epithelial cell) whole cell lysates

Lane 2: HCT116 (Human colorectal carcinoma epithelial cell) whole cell lysates

Lane 3: A431 (Human epidermoid teratoma cell line) whole cell lysates

Lane 4: Rat small intestine whole tissue lysates

Lane 5: Rat kidney whole tissue lysates

Lane 6: Mouse heart whole tissue lysates

Lane 7: Mouse brain whole tissue lysates

Lane 8: Mouse muscle whole tissue lysates

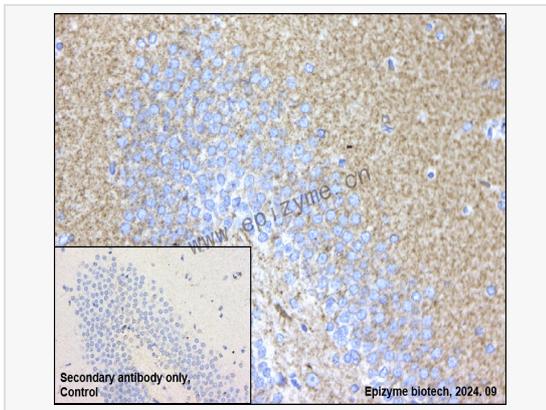
Lysates/proteins at 10 µg per lane.

Secondary antibody: Goat Anti-Rabbit IgG(H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution

Predicted band size: 41 kDa

Observed band size: 41 kDa

Developed using the ECL technique (Cat. No. SQ201).



Immunohistochemistry - Anti-Wnt16 Rabbit mAb [41N75F21]

Sample: Paraformaldehyde-fixed, paraffin embedded rat brain tissue

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.

Primary antibody: R014084 at 1:200 dilution

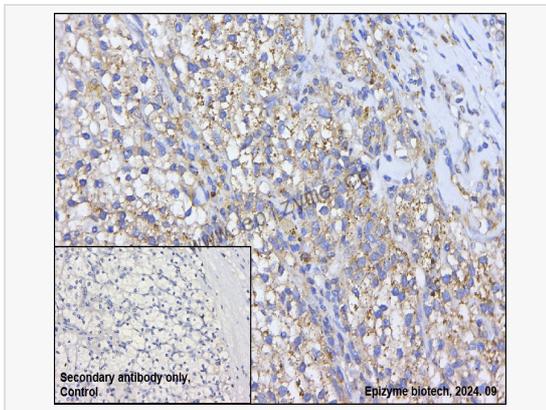
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution

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-Wnt16 Rabbit mAb [41N75F21]

Sample: Paraformaldehyde-fixed, paraffin embedded human renal carcinoma tissue

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.

Primary antibody: R014084 at 1:200 dilution

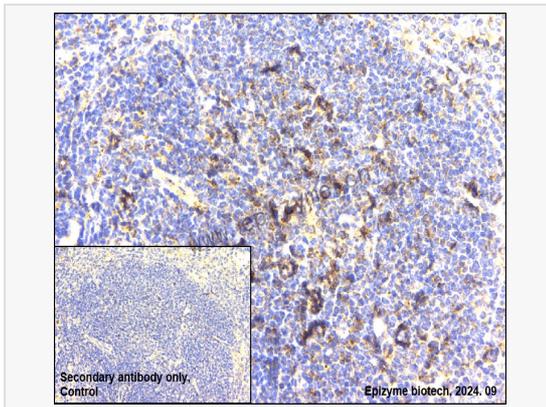
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution

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-Wnt16 Rabbit mAb [41N75F21]

Sample: Paraformaldehyde-fixed, paraffin embedded human renal carcinoma tissue

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.

Primary antibody: R014084 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.