

Anti-Wnt5a Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

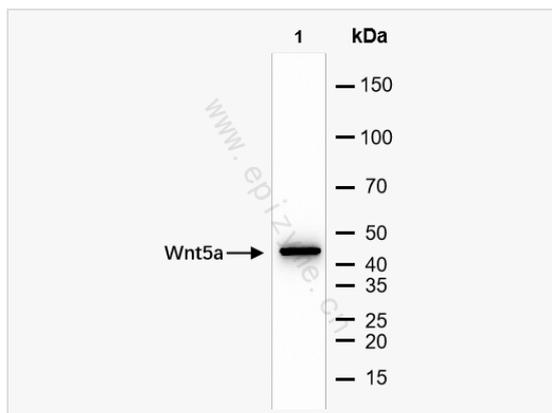
Catalog # R014522

Product Information

Application	ELISA, WB, IHC-P/IF (Tissue-P)
Reactivity	Human
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.	81L50M84
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human Wnt5a
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-Wnt5a Rabbit mAb [81L50M84] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	hWNT 5A, hWNT5A, Protein Wnt 5a, Protein Wnt-5a, Protein Wnt5a, Wingless type MMTV integration site family member 5A, Wnt 5a, WNT 5A protein, WNT 5A protein precursor, WNT5A, WNT5A protein precursor, WNT5A_HUMAN.
Calculated MW	Calculated MW: 42 kDa; Observed MW: 45 kDa
Uniprot ID	P41221
Gene ID	7474
Background	Ligand for members of the frizzled family of seven transmembrane receptors. Can activate or inhibit canonical Wnt signaling, depending on receptor context. In the presence of FZD4, activates beta-catenin signaling. In the presence of ROR2, inhibits the canonical Wnt pathway by promoting beta-catenin degradation through a GSK3-independent pathway which involves down-regulation of beta-catenin-induced reporter gene expression.
Cellular Location	Secreted > extracellular space > extracellular matrix.
Tissue Location	Expression is increased in differentiated thyroid carcinomas compared to normal thyroid tissue and anaplastic thyroid tumors where expression is low or undetectable. Expression is found in thyrocytes but not in stromal cells (at protein level).



Western Blot - Anti-Wnt5a Rabbit mAb [81L50M84]

All lanes: R014522 at 1:1,000 dilution

Lane 1: A431 (Human epidermoid teratoma cell line) whole cell lysates

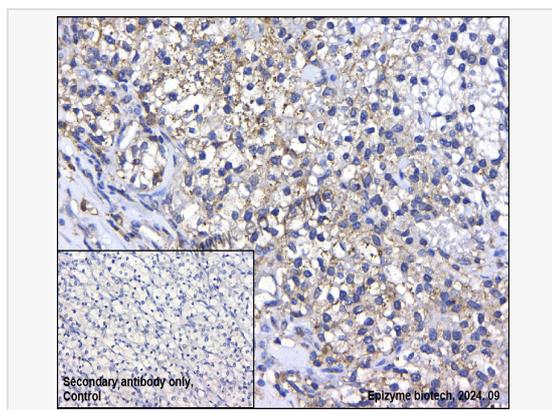
Lysates/proteins at 10 µg per lane.

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

Predicted band size: 42 kDa

Observed band size: 45 kDa

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



Immunohistochemistry - Anti-Wnt5a Rabbit mAb [81L50M84]

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: R014522 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.