Anti-NAGLU/NAG Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

Catalog # R015188

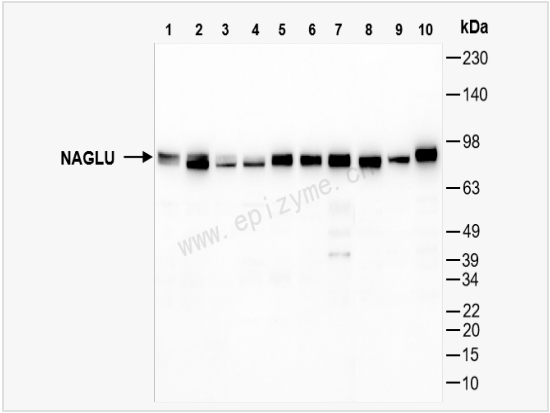
Product Information

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.	66I73P15
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human NAGLU
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-NAGLU/NAG Rabbit mAb [66I73P15] is for research use only and not for use in diagnostic or therapeutic procedures.

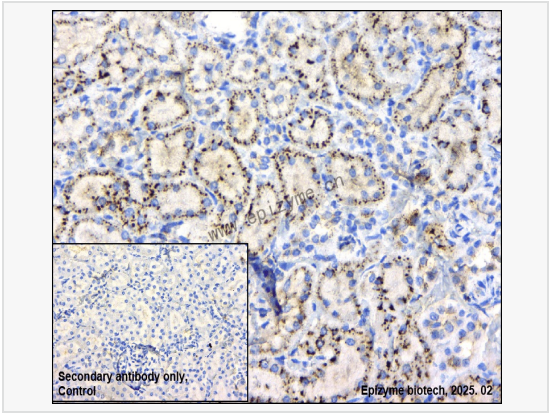
Protein Information

Synonyms	Alpha N acetylglucosaminidase; alpha N acetylglucosaminidase, lysosomal; Alpha-N-acetylglucosaminidase 77 kDa form; ANAG; ANAG_HUMAN; CMT2V; MPS IIIB; MPS3B; N acetyl alpha glucosaminidase; N acetylglucosaminidase, alpha; N-acetyl-alpha-glucosaminidase; NAG; NAGLU; UFHSD 1; UFHSD; UFHSD1.
Calculated MW	Calculated MW: 82 kDa; Observed MW: 82 kDa
Uniprot ID	P54802
Gene ID	4669
Background	This gene encodes an enzyme that degrades heparan sulfate by hydrolysis of terminal N-acetyl-D-glucosamine residues in N-acetyl-alpha-D-glucosaminides. Defects in this gene are the cause of mucopolysaccharidosis type IIIB (MPS-IIIB), also known as Sanfilippo syndrome B. This disease is characterized by the lysosomal accumulation and urinary excretion of heparan sulfate. [provided by RefSeq, Jul 2008]
Cellular Location	Lysosome.
Tissue Location	Liver, ovary, peripheral blood leukocytes, testis, prostate, spleen, colon, lung, placenta and kidney.

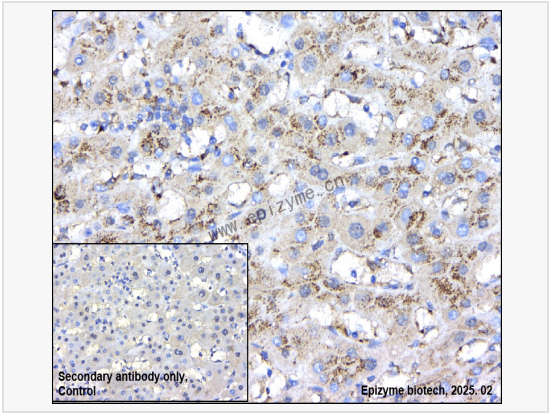
Validation Images



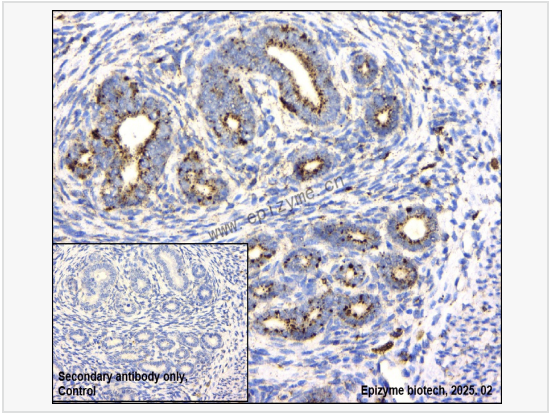
Western Blot - Anti-NAGLU/NAG Rabbit mAb [66I73P15]
All lanes: R015188 at 1:1,000 dilution
Lane 1: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates
Lane 2: HepG2 (Human hepatocarcinoma epithelial cell) whole cell lysates
Lane 3: HCT116 (Human colorectal carcinoma epithelial cell) whole cell lysates
Lane 4: SW620 (Human colorectal carcinoma epithelial cell) whole cell lysates
Lane 5: Caco2 (Human colorectal adenocarcinoma epithelial cell) whole cell lysates
Lane 6: 293T (Human embryonic kidney cell) whole cell lysates
Lane 7: SCC-9 (Human tongue squamous carcinoma epithelial cell) whole cell lysates
Lane 8: C2C12 (Mouse myoblasts epithelial cell) whole cell lysates
Lane 9: Raw264.7 (Mouse mononuclear macrophage leukemia cell) whole cell lysates
Lane 10: PC-12 (Rat adrenal pheochromocytoma 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: 82 kDa
Observed band size: 82 kDa
Developed using the ECL technique (Cat. No. SQ201).



Immunohistochemistry - Anti-NAGLU/NAG Rabbit mAb [66I73P15]
Sample: Paraformaldehyde-fixed, paraffin embedded rat kidney tissue
Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.
Primary antibody: R015188 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-NAGLU/NAG Rabbit mAb [66I73P15]
Sample: Paraformaldehyde-fixed, paraffin embedded human hepatoma tissue
Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.
Primary antibody: R015188 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-NAGLU/NAG Rabbit mAb [66I73P15]
Sample: Paraformaldehyde-fixed, paraffin embedded mouse ovary tissue
Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.
Primary antibody: R015188 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.