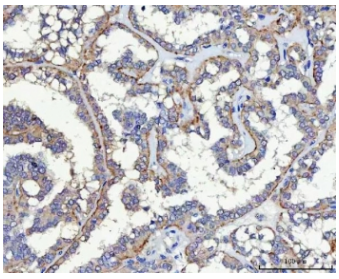
HP59 Antibody / Sialin / SLC17A5 (RQ7660)

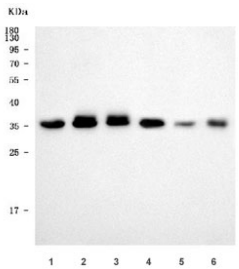
Catalog No.	Formulation	Size
RQ7660	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat, Monkey
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q9NRA2
Applications	Western blot: 0.5-1ug/ml Immunohistochemistry (FFPE): 2-5ug/ml;Direct ELISA: 0.1-0.5ug/ml
Limitations	This HP59 antibody is available for research use only.



IHC staining of FFPE human thyroid cancer tissue with HP59 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Western blot testing of 1) human Jurkat, 2) human 293T, 3) monkey COS-7, 4) human ThP-1, 5) rat NRK and 6) mouse HBZY cell lysate with HP59 antibody. Predicted molecular weight ~55 kDa and 31 kDa (two isoform) which may be observed at higher molecular weights due to glycosylation.

Description

Sialin, also known as H(+)/nitrate cotransporter and H(+)/sialic acid cotransporter, is a protein which in humans is encoded by the SLC17A5 gene. This gene encodes a membrane transporter that exports free sialic acids that have been cleaved off of cell surface lipids and proteins from lysosomes. Mutations in this gene cause sialic acid storage diseases, including infantile sialic acid storage disorder and and Salla disease, an adult form.

Application Notes

Optimal dilution of the HP59 antibody should be determined by the researcher.

Immunogen

E. coli-derived recombinant human protein (amino acids M1-R365) was used as the immunogen for the HP59 antibody.

Storage

After reconstitution, the HP59 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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