

For Research Use Only

MYO5B Monoclonal antibody

Catalog Number:60402-8-Ig



Basic Information

Catalog Number:

60402-8-Ig

Source:

Mouse

Isotype:

IgG2a

Immunogen Catalog Number:

AG32670

GenBank Accession Number:

NM_001080467

GeneID (NCBI):

4645

UNIPROT ID:

Q9ULV0

Full Name:

myosin VB

Calculated MW:

214KD

Observed MW:

200-220 kDa

Purification Method:

Protein A purification

CloneNo.:

1D12A3

Recommended Dilutions:

WB: 1:5000-1:50000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human

Positive Controls:

WB : LNCaP cells, A431 cells, HaCaT cells, MCF-7 cells, HepG2 cells, LoVo cells

Background Information

MYO5B is a member of the class V of unconventional, dimeric nonfilamentous myosins, which may be involved in vesicular trafficking. Members of the Rab family of small GTPases, consisting of Rab11a, Rab11b, and Rab25, have recently emerged as potential mediators of vesicle transport by MYO5B. MYO5B is required for polarization of hepatocytes and mutations of MYO5B could disrupt epithelial cell polarity. Loss-of-Function of MYO5B caused by mutation is the main cause of microvillus inclusion disease (MVID). Recently it was reported that the expression of MYO5B was downregulated in gastric cancer and inactivation of MYO5B may contribute to tumorigenesis. (22134786)

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

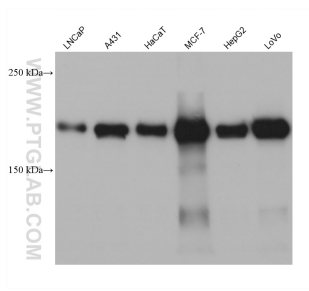
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 60402-8-Ig (MYO5B antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.