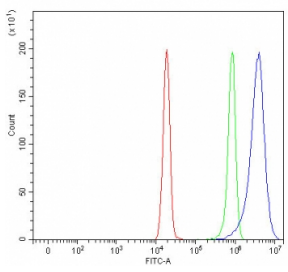
MYO6 Antibody / Unconventional Myosin-6 (RQ8294)

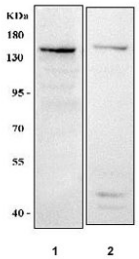
Catalog No.	Formulation	Size
RQ8294	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse
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	Q9UM54
Applications	Western blot: 0.5-1ug/ml Flow cytometry: 1-3ug/million cells ELISA: 0.1-0.5ug/ml
Limitations	This MYO6 antibody is available for research use only.



Flow cytometry testing of fixed and permeabilized human HeLa cells with MYO6 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= MYO6 antibody.



Western blot testing of 1) human A431 and 2) mouse brain tissue lysate with MYO6 antibody. Predicted molecular weight: 145-150 kDa (multiple isoforms).

Description

Unconventional myosin-VI, is a protein that in humans is coded for by MYO6. This gene encodes a reverse-direction motor protein that moves toward the minus end of actin filaments and plays a role in intracellular vesicle and organelle transport. The protein consists of a motor domain containing an ATP- and an actin-binding site and a globular tail which interacts with other proteins. This protein maintains the structural integrity of inner ear hair cells and mutations in this gene cause non-syndromic autosomal dominant and recessive hearing loss. Alternative splicing results in multiple transcript variants encoding distinct isoforms.

Application Notes

Optimal dilution of the MYO6 antibody should be determined by the researcher.

Immunogen

An E.coli-derived human recombinant protein (Q383-H786) was used as the immunogen for the MYO6 antibody.

Storage

After reconstitution, the MYO6 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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