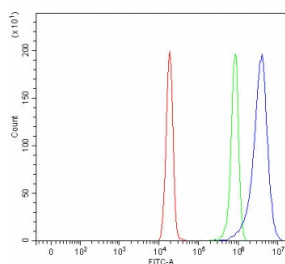


## MYO6 Antibody / Unconventional Myosin-6 (RQ8294)

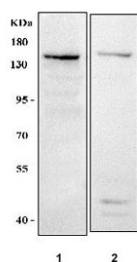
Catalog No.	Formulation	Size
RQ8294	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

**Bulk quote request**

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human, Mouse
<b>Format</b>	Antigen affinity purified
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit IgG
<b>Purity</b>	Antigen affinity purified
<b>Buffer</b>	Lyophilized from 1X PBS with 2% Trehalose
<b>UniProt</b>	Q9UM54
<b>Applications</b>	Western Blot : 0.5-1ug/ml Flow Cytometry : 1-3ug/million cells ELISA : 0.1-0.5ug/ml
<b>Limitations</b>	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.