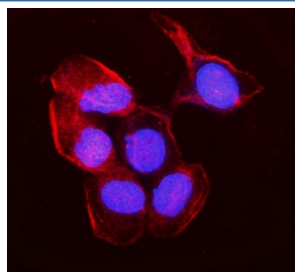


## MYH10 Antibody / non-muscle Myosin IIB (RQ5694)

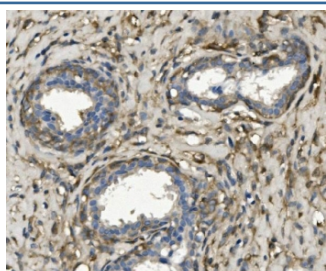
Catalog No.	Formulation	Size
RQ5694	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

**Bulk quote request**

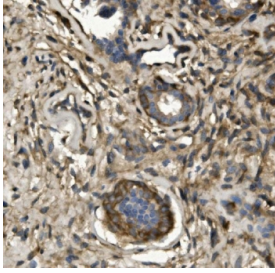
<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human, Mouse, Rat
<b>Format</b>	Antigen affinity purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	Rabbit IgG
<b>Purity</b>	Affinity purified
<b>Buffer</b>	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
<b>UniProt</b>	P35580
<b>Applications</b>	Western Blot : 0.5-1ug/ml Immunohistochemistry : 1-2ug/ml Immunofluorescence : 2-4ug/ml Flow Cytometry : 1-3ug/million cells
<b>Limitations</b>	This MYH10 antibody is available for research use only.



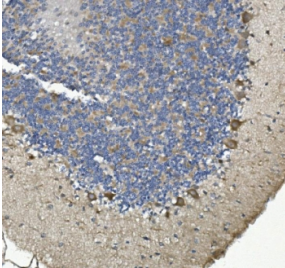
Immunofluorescent staining of FFPE human A431 cells with MYH10 antibody (red) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



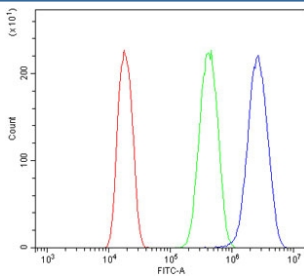
IHC staining of FFPE human breast cancer with MYH10 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



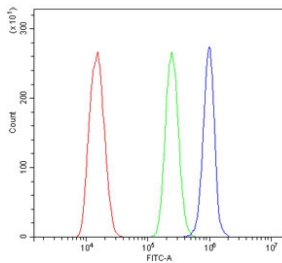
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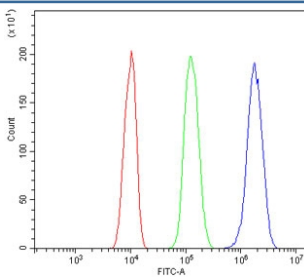
IHC staining of FFPE rat brain with MYH10 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



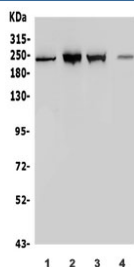
Flow cytometry testing of human A431 cells with MYH10 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= MYH10 antibody.



Flow cytometry testing of mouse ANA-1 cells with MYH10 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= MYH10 antibody.



Flow cytometry testing of rat C6 cells with MYH10 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= MYH10 antibody.



Western blot testing of 1) rat brain, 2) mouse brain, 3) mouse NIH 3T3 and 4) human SK-OV-3 lysate with MYH10 antibody. Predicted molecular weight ~229 kDa.

## Description

This gene encodes a member of the myosin superfamily. The protein represents a conventional non-muscle myosin; it should not be confused with the unconventional myosin-10 (MYO10). Myosins are actin-dependent motor proteins with diverse functions including regulation of cytokinesis, cell motility, and cell polarity. Mutations in this gene have been associated with May-Hegglin anomaly and developmental defects in brain and heart. Multiple transcript variants encoding different isoforms have been found for this gene.

## Application Notes

Optimal dilution of the MYH10 antibody should be determined by the researcher.

## Immunogen

Amino acids QRTGLEDPERYLFVDRAVIYNPATQADWTAKK from the human protein were used as the immunogen for the MYH10 antibody.

## Storage

After reconstitution, the MYH10 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.