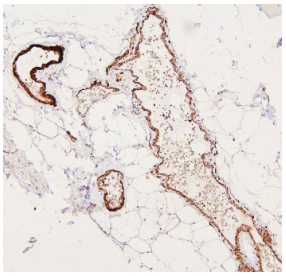
Filamin A Antibody (RQ5577)

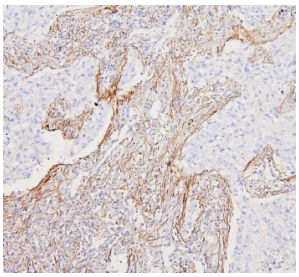
Catalog No.	Formulation	Size
RQ5577	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

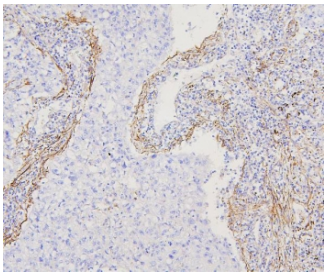
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	P21333
Localization	Cytoplasmic
Applications	Western blot: 0.25-0.5ug/ml Immunohistochemistry (FFPE): 1-2ug/ml Flow cytometry: 1-3ug/million cells Immunofluorescence: 2-4ug/ml Direct ELISA: 0.1-0.5ug/ml
Limitations	This Filamin A antibody is available for research use only.



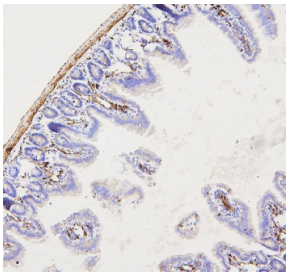
IHC staining of FFPE human skeletal muscle with Filamin A antibody. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 20 min and allow to cool before testing.



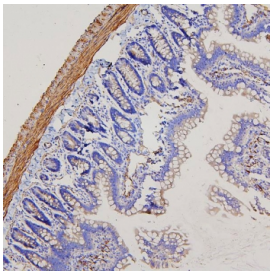
IHC staining of FFPE human lung cancer with Filamin A antibody. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 20 min and allow to cool before testing.



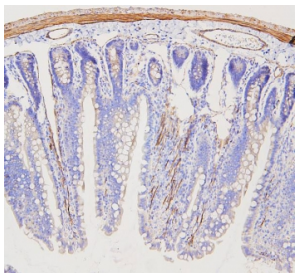
IHC staining of FFPE human lung cancer with Filamin A antibody. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 20 min and allow to cool before testing.



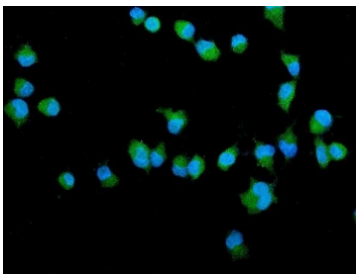
IHC staining of FFPE mouse intestine with Filamin A antibody. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 20 min and allow to cool before testing.



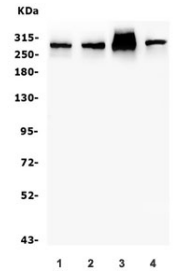
IHC staining of FFPE rat intestine with Filamin A antibody. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 20 min and allow to cool before testing.



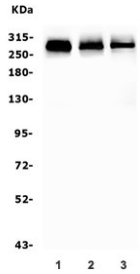
IHC staining of FFPE rat intestine with Filamin A antibody. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 20 min and allow to cool before testing.



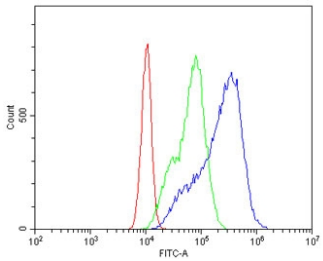
Immunofluorescent staining of FFPE human A549 cells with Filamin A antibody (green) and DAPI (blue). HIER: boil tissue sections in pH6, 10mM citrate buffer, for 20 min and allow to cool before testing.



Western blot testing of human 1) A549, 2) U-2 OS, 3) HeLa and 4) PC-3 lysate with Filamin A antibody. Predicted molecular weight ~281 kDa.



Western blot testing of 1) rat ovary, 2) mouse lung and 3) mouse HEPA1-6 lysate with Filamin A antibody. Predicted molecular weight ~281 kDa.



Flow cytometry testing of human Caco-2 cells with Filamin A antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= Filamin A antibody.

Description

Filamin A, alpha (FLNA) is a protein that in humans is encoded by the FLNA gene. It is mapped to Xq28. The protein encoded by this gene is an actin-binding protein that crosslinks actin filaments and links actin filaments to membrane glycoproteins. The encoded protein is involved in remodeling the cytoskeleton to effect changes in cell shape and migration. This protein interacts with integrins, transmembrane receptor complexes, and second messengers. Defects in this gene are a cause of several syndromes, including periventricular nodular heterotopias (PVNH1, PVNH4), otopalatodigital syndromes (OPD1, OPD2), frontometaphyseal dysplasia (FMD), Melnick-Needles syndrome (MNS), and X-linked congenital idiopathic intestinal pseudoobstruction (CIIPX). Two transcript variants encoding different isoforms have been found for this gene.

Application Notes

Optimal dilution of the Filamin A antibody should be determined by the researcher.

Immunogen

A human recombinant protein (amino acids E451-Q638) was used as the immunogen for the Filamin A antibody.

Storage

After reconstitution, the Filamin A 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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