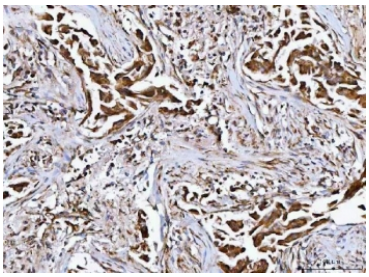
MFAP3 Antibody / Microfibril-associated glycoprotein 3 (RQ8437)

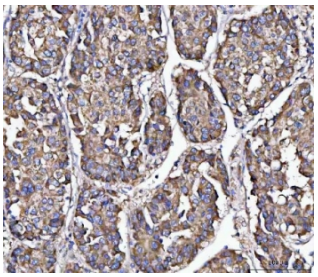
Catalog No.	Formulation	Size
RQ8437	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

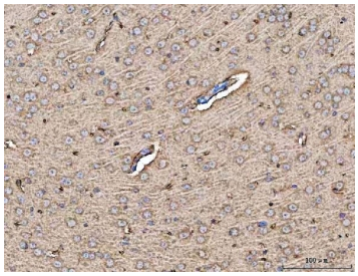
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	P55082
Localization	Cell membrane, cytoplasm, nucleus
Applications	Western Blot : 0.5-1ug/ml Immunohistochemistry (FFPE) : 2-5ug/ml Flow Cytometry : 1-3ug/million cells Direct ELISA : 0.1-0.5ug/ml
Limitations	This MFAP3 antibody is available for research use only.



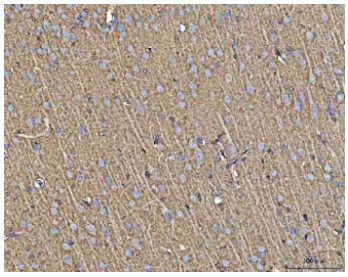
IHC staining of FFPE human breast cancer tissue with MFAP3 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



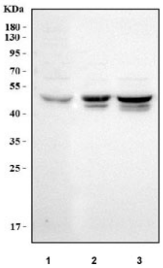
IHC staining of FFPE human liver cancer tissue with MFAP3 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



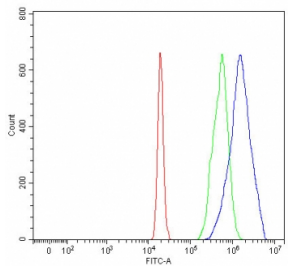
IHC staining of FFPE mouse brain tissue with MFAP3 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE rat brain tissue with MFAP3 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Western blot testing of human 1) HepG2, 2) Caco-2 and 3) A549 cell lysate with MFAP3 antibody. Predicted molecular weight ~40 kDa but may be observed at higher molecular weights due to glycosylation



Flow cytometry testing of fixed and permeabilized human 293T cells with MFAP3 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= MFAP3 antibody.

Description

Microfibril-associated glycoprotein 3 (MFAP3), is a member of the MFAP family which play a role in microfibril assembly, elastinogenesis, and tissue homeostasis. The family members were identified as potential components of fibrillin-containing microfibrils, but they do not share structural similarities. MFAP3 is found in ocular zonules. Human MFAP3 is a serine-rich acidic protein located in zonular fibers and consists of an extracellular domain (ECD) containing one Ig-like C2-type domain, a single transmembrane domain, and a cytoplasmic domain. Within the ECD, mature human MFAP3 shares 74% amino acid sequence identity with mouse and rat MFAP3. Among MFAP3-related pathways are degradation of the extracellular matrix and elastic fiber formation. MFAP is a candidate gene for heritable diseases affecting microfibrils.

Application Notes

Optimal dilution of the MFAP3 antibody should be determined by the researcher.

Immunogen

An E.coli-derived human recombinant protein (A19-N349) was used as the immunogen for the MFAP3 antibody.

Storage

After reconstitution, the MFAP3 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.