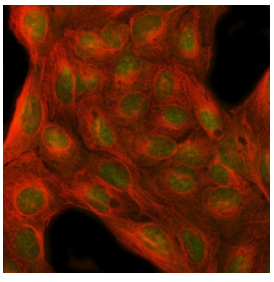
MFAP1 Antibody / Microfibrillar-associated protein 1 (RQ8395)

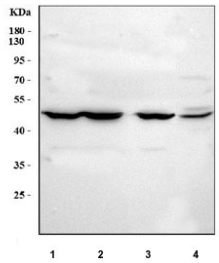
Catalog No.	Formulation	Size
RQ8395	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

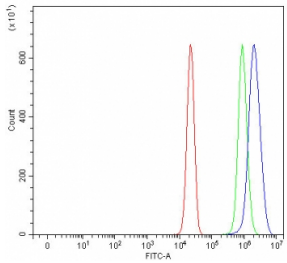
Availability	1-3 business days
Species Reactivity	Human, Mouse
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	P55081
Localization	Nuclear
Applications	Western blot: 0.5-1ug/ml Immunofluorescence: 5ug/ml Flow cytometry: 1-3ug/million cells ELISA: 0.1-0.5ug/ml
Limitations	This MFAP1 antibody is available for research use only.



Immunofluorescent staining of FFPE human U-2 OS cells with MFAP1 antibody (green) and Beta Tubulin mAb (red). HIER: steam section in pH6 citrate buffer for 20 min.



Western blot testing of 1) human HEL, 2) human HeLa, 3) human K562 and 4) mouse brain tissue lysate with MFAP1 antibody. Predicted molecular weight ~52 kDa.



Flow cytometry testing of fixed and permeabilized human A431 cells with MFAP1 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= MFAP1 antibody.

Description

Microfibrillar-associated protein 1 is a protein that in humans is encoded by the MFAP1 gene. Microfibrils are an important component of the extracellular matrix of many tissues and can either associate with or without elastin. Several microfibril associated proteins (MFAPs) have been cloned, including MFAP1, MFAP3 and MFAP4. The MFAP1 and MFAP3 genes are localized near the fibrillin genes FBN1 and FBN2, respectively. Mutations in FBN1 are linked to Marfan syndrome. Mutations in FBN2 have been linked to congenital contractural arachnodactyly. This suggests roles for MFAP1 and MFAP3 in heritable diseases affecting microfibrils. Deletion of MFAP4 was found in 30 of 31 patients with Smith-Magenis syndrome (SMS), a clinically recognizable multiple congenital anomaly/mental retardation syndrome

Application Notes

Optimal dilution of the MFAP1 antibody should be determined by the researcher.

Immunogen

An E.coli-derived human recombinant protein (D83-K437) was used as the immunogen for the MFAP1 antibody.

Storage

After reconstitution, the MFAP1 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com
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