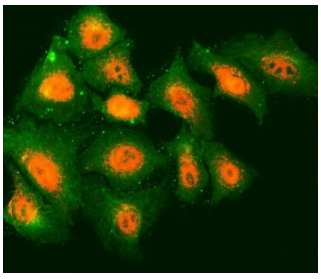
Tropomodulin 2 Antibody / TMOD2 (RQ7870)

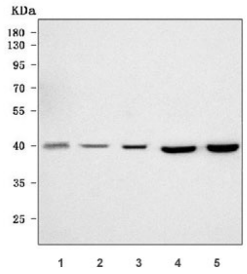
Catalog No.	Formulation	Size
RQ7870	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

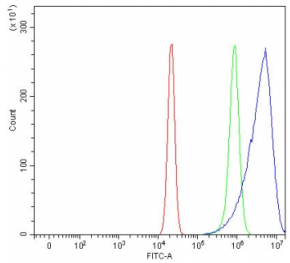
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q9NZR1
Localization	Nuclear, cytoplasmic
Applications	Western Blot : 0.5-1ug/ml Immunofluorescence (FFPE) : 5ug/ml Flow Cytometry : 1-3ug/million cells Direct ELISA : 0.1-0.5ug/ml
Limitations	This Tropomodulin 2 antibody is available for research use only.



Immunofluorescent staining of FFPE human A549 cells with Tropomodulin 2 antibody (red) and Beta Tubulin mAb (green). HIER: steam section in pH6 citrate buffer for 20 min.



Western blot testing of 1) human 293T, 2) human Jurkat, 3) human SH-SY5Y, 4) rat brain and 5) mouse brain tissue lysate with Tropomodulin 2 antibody. Predicted molecular weight ~40 kDa.



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

Description

Tropomodulin 2 (neuronal) also known as TMOD2 is a protein which in humans is encoded by the TMOD2 gene. This gene encodes a neuronal-specific member of the tropomodulin family of actin-regulatory proteins. The encoded protein caps the pointed end of actin filaments preventing both elongation and depolymerization. The capping activity of this protein is dependent on its association with tropomyosin. Alternatively spliced transcript variants encoding different isoforms have been described.

Application Notes

Optimal dilution of the Tropomodulin 2 antibody should be determined by the researcher.

Immunogen

E. coli-derived recombinant human protein (amino acids E111-K343) was used as the immunogen for the Tropomodulin 2 antibody.

Storage

After reconstitution, the Tropomodulin 2 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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