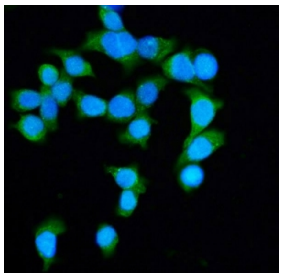
Diaphanous Homolog 1 Antibody / DIAPH1 (RQ6700)

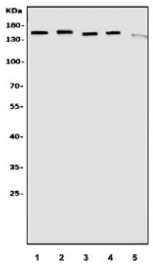
Catalog No.	Formulation	Size
RQ6700	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

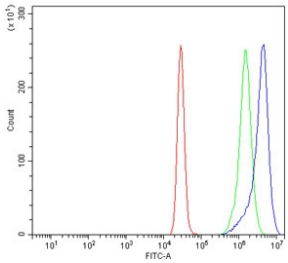
Availability	1-3 business days
Species Reactivity	Human, Monkey
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	O60610
Localization	Cytoplasmic, nuclear
Applications	Western Blot : 1-2ug/ml Immunofluorescence (FFPE) : 5ug/ml Flow Cytometry : 1-3ug/million cells Direct ELISA : 0.1-0.5ug/ml
Limitations	This Diaphanous Homolog 1 antibody is available for research use only.



Immunofluorescent staining of FFPE human Caco-2 cells with Diaphanous Homolog 1 antibody (green) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



Western blot testing of 1) human K562, 2) human Raji, 3) human HeLa, 4) monkey COS-7 and 5) human Caco-2 cell lysate with Diaphanous Homolog 1 antibody. Predicted molecular weight ~140 kDa.



Flow cytometry testing of human K562 cells with Diaphanous Homolog 1 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= Diaphanous Homolog 1 antibody.

Description

Protein diaphanous homolog 1 is a protein that in humans is encoded by the DIAPH1 gene. This gene is a homolog of the Drosophila diaphanous gene, and has been linked to autosomal dominant, fully penetrant, nonsyndromic sensorineural progressive low-frequency hearing loss. Actin polymerization involves proteins known to interact with diaphanous protein in Drosophila and mouse. It has therefore been speculated that this gene may have a role in the regulation of actin polymerization in hair cells of the inner ear. Alternatively spliced transcript variants encoding distinct isoforms have been found for this gene.

Application Notes

Optimal dilution of the Diaphanous Homolog 1 antibody should be determined by the researcher.

Immunogen

Recombinant human protein (amino acids D1039-Q1153) was used as the immunogen for the Diaphanous Homolog 1 antibody.

Storage

After reconstitution, the Diaphanous Homolog 1 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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