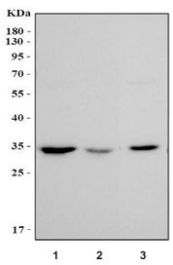
MAPRE1 Antibody / EB1 (RQ8286)

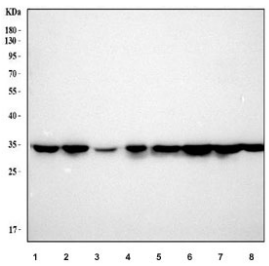
Catalog No.	Formulation	Size
RQ8286	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

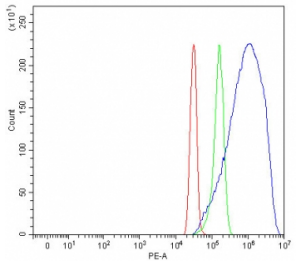
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q15691
Applications	Western blot: 0.5-1ug/ml Flow cytometry: 1-3ug/million cells ELISA: 0.1-0.5ug/ml
Limitations	This MAPRE1 antibody is available for research use only.



Western blot testing of 1) rat lung, 2) rat stomach and 3) mouse lung tissue lysate with MAPRE1 antibody. Predicted molecular weight ~30 kDa.



Western blot testing of human 1) HeLa, 2) Jurkat, 3) A431, 4) Ramos, 5) 293T, 6) Caco-2, 7) HEL and 8) SiHa cell lysate with MAPRE1 antibody. Predicted molecular weight ~30 kDa.



Flow cytometry testing of fixed and permeabilized human SiHa cells with MAPRE1 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= MAPRE1 antibody.

Description

Microtubule-associated protein RP/EB family member 1, also called End-binding protein 1 (EB1), is a protein that in humans is encoded by the MAPRE1 gene. The protein encoded by this gene was first identified by its binding to the APC protein which is often mutated in familial and sporadic forms of colorectal cancer. This protein localizes to microtubules, especially the growing ends, in interphase cells. During mitosis, the protein is associated with the centrosomes and spindle microtubules. The protein also associates with components of the dynactin complex and the intermediate chain of cytoplasmic dynein. Because of these associations, it is thought that this protein is involved in the regulation of microtubule structures and chromosome stability. This gene is a member of the RP/EB family.

Application Notes

Optimal dilution of the MAPRE1 antibody should be determined by the researcher.

Immunogen

An E.coli-derived human recombinant protein (A145-Y268) was used as the immunogen for the MAPRE1 antibody.

Storage

After reconstitution, the MAPRE1 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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