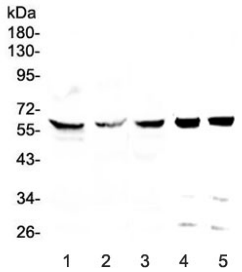
TCP1 eta Antibody / CCT7 (RQ4387)

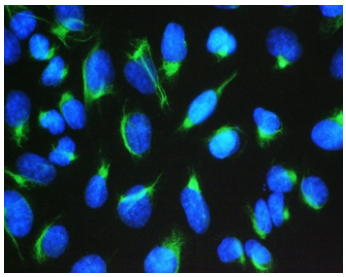
Catalog No.	Formulation	Size
RQ4387	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

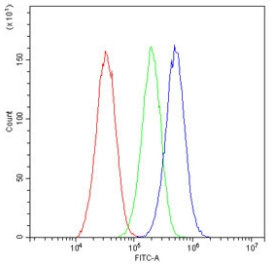
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	Q99832
Localization	Cytoplasm
Applications	Western Blot : 0.5-1ug/ml Immunofluorescence : 2-4ug/ml Flow Cytometry : 1-3ug/10^6 cells Direct ELISA : 0.1-0.5ug/ml (human recombinant protein)
Limitations	This TCP1 eta antibody is available for research use only.



Western blot testing of human 1) HeLa, 2) HepG2, 3) MDA-MB-231, 4) rat testis and 5) mouse testis lysate with TCP1 eta antibody at 0.5ug/ml. Predicted molecular weight: ~59 kDa.



Immunofluorescence staining of FFPE human U-2 OS cells with TCP1 eta antibody (green) at 2ug/ml and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



Flow cytometry testing of human HepG2 cells with TCP1 eta antibody at 1ug/10^6 cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= TCP1 eta antibody.

Description

T-complex protein 1 subunit eta is a protein that in humans is encoded by the CCT7 gene. This gene encodes a molecular chaperone that is a member of the chaperonin containing TCP1 complex (CCT), also known as the TCP1 ring complex (TRiC). This complex consists of two identical stacked rings, each containing eight different proteins. Unfolded polypeptides enter the central cavity of the complex and are folded in an ATP-dependent manner. The complex folds various proteins, including actin and tubulin. Alternative splicing results in multiple transcript variants. Related pseudogenes have been identified on chromosomes 5 and 6.

Application Notes

Optimal dilution of the TCP1 eta antibody should be determined by the researcher.

Immunogen

A recombinant human protein corresponding to amino acids Q30-D307 was used as the immunogen for the TCP1 eta antibody.

Storage

After reconstitution, the TCP1 eta 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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