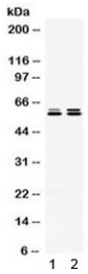
TCP1 epsilon Antibody / CCT5 (R32402)

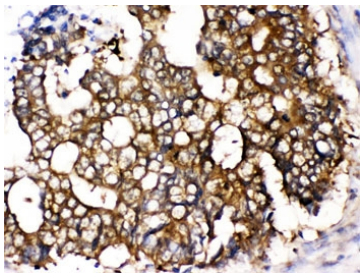
Catalog No.	Formulation	Size
R32402	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

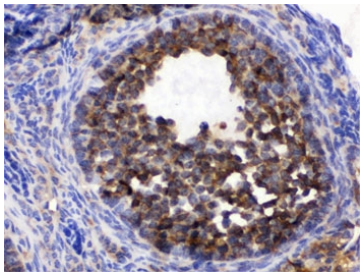
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA, 0.025% sodium azide
UniProt	P48643
Localization	Cytoplasmic
Applications	Western blot: 0.1-0.5ug/ml Immunohistochemistry (FFPE): 0.5-1ug/ml Immunocytochemistry (FFPE): 0.5-1ug/ml Immunofluorescence: 2-4ug/ml Flow cytometry: 1-3ug/million cells Immunoprecipitation: 2ug/500ug of lysate
Limitations	This TCP1 epsilon antibody is available for research use only.



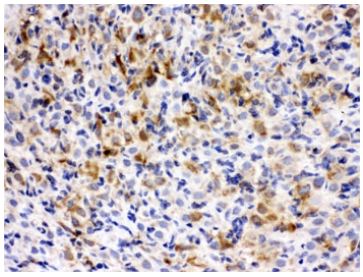
Western blot testing of 1) rat testis and 2) human HeLa lysate with TCP1 epsilon antibody. Expected molecular weight ~60 kDa.



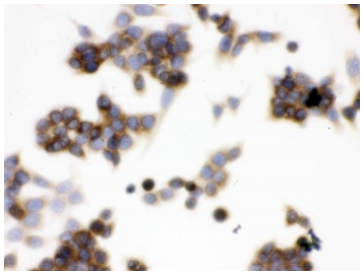
IHC testing of FFPE human intestinal cancer tissue with TCP1 epsilon antibody. HIER: Boil the paraffin sections in pH 6, 10mM citrate buffer for 20 minutes and allow to cool prior to testing.



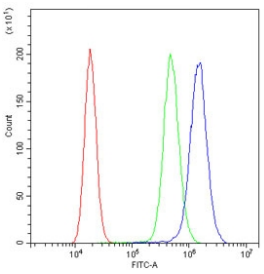
IHC testing of FFPE mouse ovary with TCP1 epsilon antibody. HIER: Boil the paraffin sections in pH 6, 10mM citrate buffer for 20 minutes and allow to cool prior to testing.



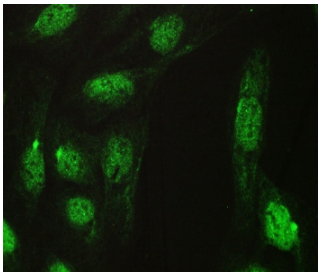
IHC testing of FFPE rat ovary with TCP1 epsilon antibody. HIER: Boil the paraffin sections in pH 6, 10mM citrate buffer for 20 minutes and allow to cool prior to testing.



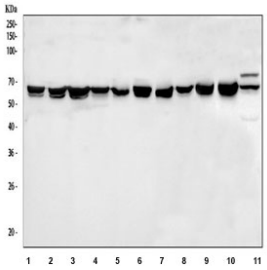
ICC testing of FFPE human LOVO cells with TCP1 epsilon antibody. HIER: Boil the paraffin sections in pH 6, 10mM citrate buffer for 20 minutes and allow to cool prior to testing.



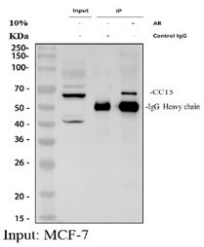
Flow cytometry testing of fixed and permeabilized human A431 cells with TCP1 epsilon antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= TCP1 epsilon antibody.



Immunofluorescent staining of FFPE human U-2 OS cells with TCP1 epsilon antibody (green) at 2ug/ml. HIER: steam section in pH6 citrate buffer for 20 min.



Western blot testing of 1) human HeLa, 2) human MCF7, 3) human SiHa, 4) human A549, 5) human 293T, 6) human Caco-2, 7) human PC-3, 8) human U-2 OS, 9) rat testis, 10) mouse testis and 11) mouse liver tissue lysate with TCP1 epsilon antibody. Expected molecular weight ~60 kDa.



Immunoprecipitation of TCP1 epsilon protein from 500ug of human MCF7 whole cell lysate with 2ug of TCP1 epsilon antibody.

Description

CCT5 is 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. Mutations in this gene cause hereditary sensory and autonomic neuropathy with spastic paraplegia (HSNSP). Alternative splicing results in multiple transcript variants. Related pseudogenes have been identified on chromosomes 5 and 13.

Application Notes

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

Immunogen

Amino acids L443-K535 of the human protein were used as the immunogen for the TCP1 epsilon antibody.

Storage

After reconstitution, the TCP1 epsilon 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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