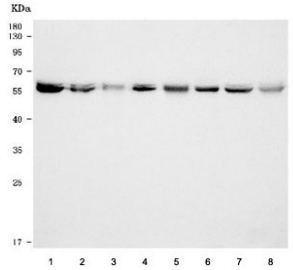
TCP1 delta Antibody / CCT4 (R32421)

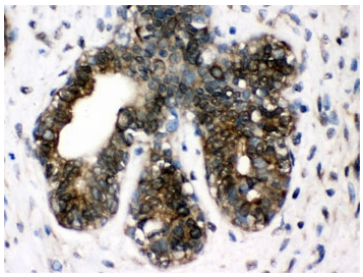
Catalog No.	Formulation	Size
R32421	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

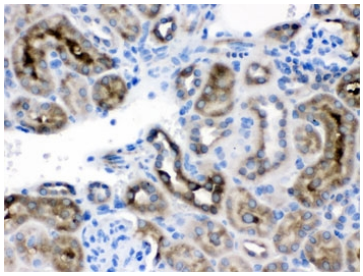
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA, 0.025% sodium azide
UniProt	P50991
Localization	Cytoplasmic
Applications	Western Blot : 0.5-1ug/ml Immunohistochemistry (FFPE) : 0.5-1ug/ml Immunohistochemistry (Frozen) : 0.5-1ug/ml Immunocytochemistry (FFPE) : 0.5-1ug/ml Immunofluorescence (FFPE) : 2-4ug/ml Flow Cytometry : 1-3ug/million cells Immunoprecipitation : 2ug/500ug of lysate
Limitations	This TCP1 delta antibody is available for research use only.



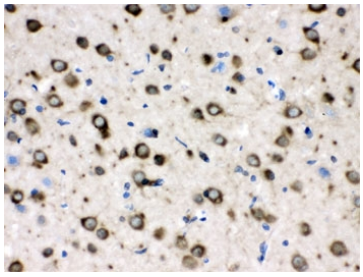
Western blot testing of 1) human HeLa, 2) human U-2 OS, 3) human SW620, 4) human MCF7, 5) rat brain, 6) rat liver, 7) mouse brain and 8) mouse liver tissue lysate with TCP1 delta antibody. Predicted molecular weight ~58 kDa.



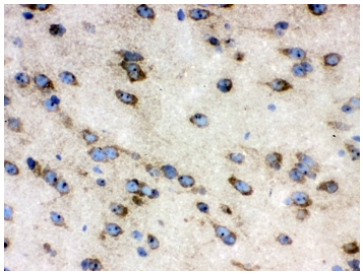
IHC testing of FFPE human breast cancer tissue with TCP1 delta antibody. HIER: Boil the paraffin sections in pH 6, 10mM citrate buffer for 20 minutes and allow to cool prior to testing.



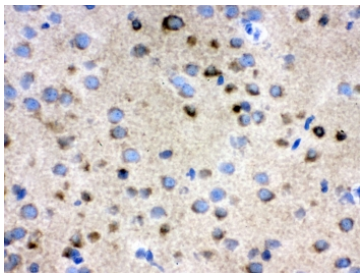
IHC testing of FFPE mouse kidney with TCP1 delta antibody. HIER: Boil the paraffin sections in pH 6, 10mM citrate buffer for 20 minutes and allow to cool prior to testing.



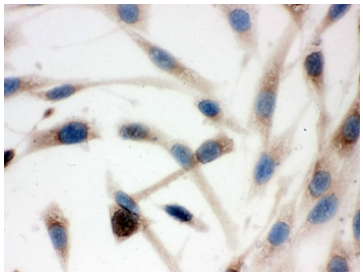
IHC testing of FFPE rat brain with TCP1 delta antibody. HIER: Boil the paraffin sections in pH 6, 10mM citrate buffer for 20 minutes and allow to cool prior to testing.



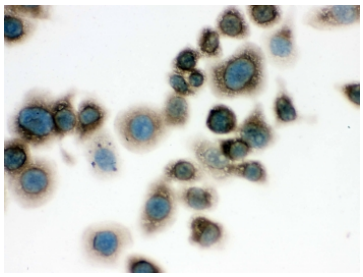
IHC testing of frozen mouse brain tissue with TCP1 antibody.



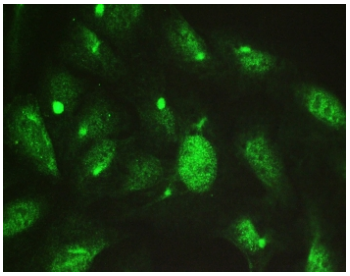
IHC testing of frozen rat brain tissue with TCP1 antibody.



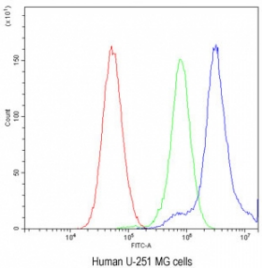
ICC testing of FFPE human SHG-44 cells with TCP1 delta antibody.



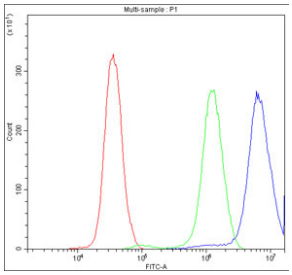
ICC testing of FFPE mouse Neuro-2a cells with TCP1 delta antibody.



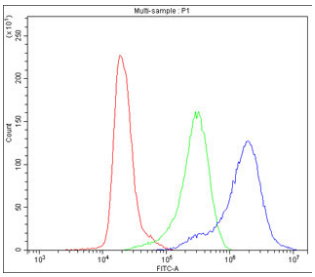
IF/ICC staining of FFPE human U-2 OS cells with TCP1 delta antibody (green) at 2ug/ml. HIER: steam section in pH6 citrate buffer for 20 min.



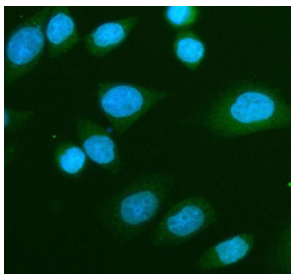
Flow cytometry testing of fixed and permeabilized human U-251 MG cells with TCP1 delta antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= TCP1 delta antibody.



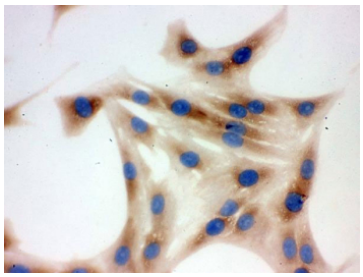
Flow cytometry testing of fixed and permeabilized human PC-3 cells with TCP1 delta antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= TCP1 delta antibody.



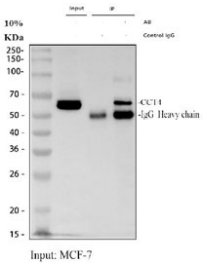
Flow cytometry testing of fixed and permeabilized human K562 cells with TCP1 delta antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= TCP1 delta antibody.



IF/ICC staining of FFPE human SiHa cells with TCP1 delta antibody (green) and DAPI nuclear stain (blue) at 2ug/ml. HIER: steam section in pH6 citrate buffer for 20 min.



ICC staining of FFPE rat NRK cells with TCP1 delta antibody.



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

Description

T-complex protein 1 subunit delta is a protein that in humans is encoded by the CCT4 gene. This gene is mapped to 2p15. The chaperonin containing TCP1 complex (CCT), also called the TCP1 ring complex, consists of 2 back-to-back rings, each containing 8 unique but homologous subunits, such as CCT4. CCT assists the folding of newly translated polypeptide substrates through multiple rounds of ATP-driven release and rebinding of partially folded intermediate forms. Substrates of CCT include the cytoskeletal proteins actin and tubulin, as well as alpha-transducin.

Application Notes

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

Immunogen

Amino acids R452-R539 of the human protein were used as the immunogen for the TCP1 delta antibody.

Storage

After reconstitution, the TCP1 delta 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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