

Product datasheet

Anti-TCP1 epsilon antibody ab82778

[2 Images](#)

Overview

Product name	Anti-TCP1 epsilon antibody
Description	Rabbit polyclonal to TCP1 epsilon
Host species	Rabbit
Tested applications	Suitable for: WB, ELISA, ICC/IF
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat, Rabbit, Horse, Chicken, Guinea pig, Cow, Cat, Dog
Immunogen	Synthetic peptide corresponding to a region within C terminal amino acids 492-541 (DCLHKG TNDM KQQHVIETLI GKKQQISLAT QMVRMILKID DIRKPG ESEE) of human TCP1 epsilon (NP_036205). Run BLAST with ExPASy Run BLAST with NCBI
Positive control	293T cell lysate.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.
Storage buffer	Preservative: 0.09% Sodium azide Constituents: 2% Sucrose, PBS
Purity	Immunogen affinity purified
Purification notes	Purified by peptide affinity chromatography method.
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab82778** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes

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WB		Use a concentration of 1 µg/ml. Predicted molecular weight: 60 kDa. Good results were obtained when blocked with 5% non-fat dry milk in 0.05% PBS-T.
ELISA		Use at an assay dependent dilution.
ICC/IF		Use a concentration of 5 µg/ml.

Target

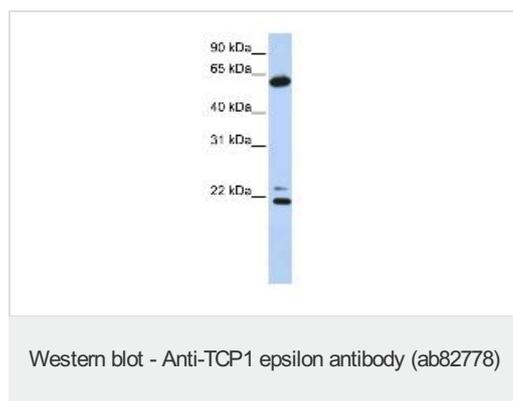
Relevance

TCP1 epsilon 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.

Cellular localization

Cytoplasm; cytoskeleton and centrosome.

Images



Anti-TCP1 epsilon antibody (ab82778) at 1 µg/ml (5% skim milk / PBS buffer) + 293T cell lysate at 10 µg

Secondary

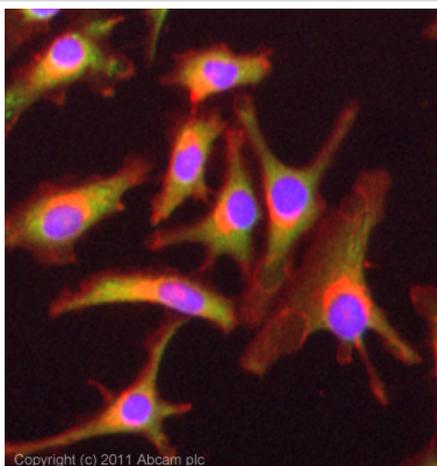
HRP conjugated anti-Rabbit IgG at 1/50000 dilution

Predicted band size: 60 kDa

Observed band size: 60 kDa

Additional bands at: 20 kDa, 24 kDa. We are unsure as to the identity of these extra bands.

Gel concentration: 12%



Immunocytochemistry/ Immunofluorescence - Anti-TCP1 epsilon antibody (ab82778)

ICC/IF image of ab82778 stained HeLa cells. The cells were 100% methanol fixed (5 min) and then incubated in 1%BSA / 10% normal goat serum / 0.3M glycine in 0.1% PBS-Tween for 1h to permeabilise the cells and block non-specific protein-protein interactions. The cells were then incubated with the antibody (ab82778, 5µg/ml) overnight at +4°C. The secondary antibody (green) was ab96899 Dylight 488 goat anti-rabbit IgG (H+L) used at a 1/250 dilution for 1h. Alexa Fluor® 594 WGA was used to label plasma membranes (red) at a 1/200 dilution for 1h. DAPI was used to stain the cell nuclei (blue) at a concentration of 1.43µM.

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