ARG63436
anti-TCP1 antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes TCP1
Tested Reactivity	Hu
Tested Application	FACS, ICC/IF, IHC-P, WB
Specificity	This antibody is expected to recognise both reported isoforms.
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	TCP1
Species	Human
Immunogen	C-SYEDAVHSGALND
Conjugation	Un-conjugated
Alternate Names	T-complex protein 1 subunit alpha; CCT1; D6S230E; TCP-1-alpha; CCTa; CCT-alpha

Application Instructions

Application table

Application	Dilution
FACS	10 µg/ml
ICC/IF	10 µg/ml
IHC-P	1 - 2 µg/ml
WB	0.3 - 1 µg/ml

Application Note

IHC-P: Antigen Retrieval: Microwaved tissue section in Tris/EDTA buffer (pH 9.0).
WB: Recommend incubate at RT for 1h.
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

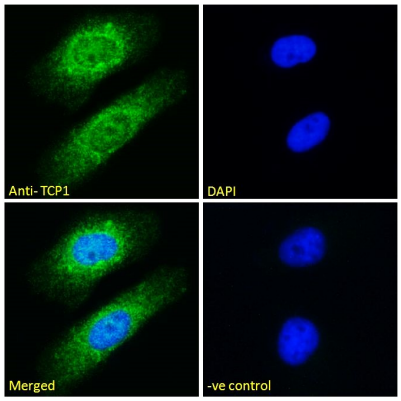
Form	Liquid
Purification	Purified from goat serum by antigen affinity chromatography.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml

Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

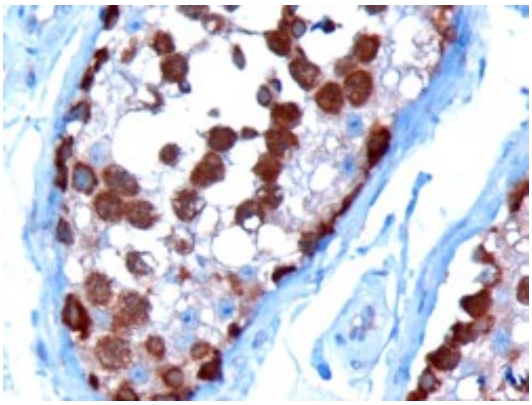
Database links	GeneID: 6950 Human Swiss-port # P17987 Human
Background	The protein encoded by this gene is a molecular chaperone that is a member of the chaperonin containing TCP1 complex (CCT), also known as the TCP1 ring complex (TRiC). This complex consists of two identical stacked rings, each containing 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. Alternate transcriptional splice variants of this gene, encoding different isoforms, have been characterized. In addition, three pseudogenes that appear to be derived from this gene have been found. [provided by RefSeq, Jun 2010]
Research Area	Signaling Transduction antibody
Calculated Mw	60 kDa

Images



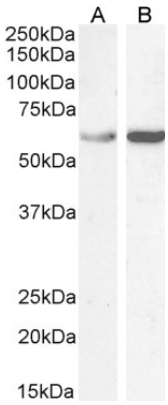
ARG63436 anti-TCP1 antibody ICC/IF image

Immunofluorescence: Paraformaldehyde fixed HeLa cells permeabilized with 0.15% Triton. Cells were stained with ARG63436 anti-TCP1 antibody (green) at 10 µg/ml dilution for 1 hour. DAPI (blue) for nuclear staining. Negative control: Unimmunized goat IgG (green) at 10 µg/ml dilution.



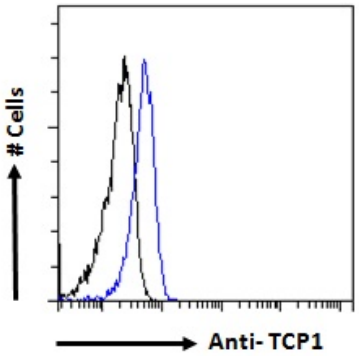
ARG63436 anti-TCP1 antibody IHC-P image

Immunohistochemistry: paraffin embedded Human Testis. (Microwaved antigen retrieval with Tris/EDTA buffer pH9) stained with ARG63436 anti-TCP1 antibody at 10 µg/ml dilution followed by HRP-staining.



ARG63436 anti-TCP1 antibody WB image

Western blot: 35 µg of Human ovary (A) and HEK293 (B) lysates (in RIPA buffer) stained with ARG63436 anti-TCP1 antibody at 1 µg/ml dilution and incubated at RT for 1 hour.



ARG63436 anti-TCP1 antibody FACS image

Flow Cytometry: Paraformaldehyde-fixed HeLa cells permeabilized with 0.5% Triton. Cells were stained with ARG63436 anti-TCP1 antibody (blue line) at 10 µg/ml dilution for 1 hour, followed by incubation with Alexa FluorR 488 labelled secondary antibody. IgG control: Unimmunized goat IgG (black line).