

AB-NN346-2

TCP1-alpha Antibody

Pan-specific monoclonal antibody (23c) for monitoring the expression of mouse TCP1-alpha



KINEXUS

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Target Protein

Name Long:	T-complex protein 1 subunit alpha (TCP1-alpha)
Alias:	p63, Tcp-1, TCP1 alpha, Ccta, TRic, Tp63, 21454, c-cpn, CCT, Tcp1, ccpn, A1528772, Cct1, Tcp 1, c cpn
UniProt ID:	P11983 - Mouse
Human Predicted Mass (KDa):	60.344 (556 AA; P17987-1)
Observed SDS-PAGE Mass (KDa):	60

Immunogen

Antibody Immunogen Source:	Purified recombinant mouse TCP1 alpha construct encoding the C-terminal half of the 1.8 kb full-length Tcp 1b gene expressed in E. coli. Detects the COOH group.
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Production

Antibody Host Species:	Rat
Antibody Type:	Monoclonal
Antibody Ig Isotype Clone Lot:	192 IgG2c
Antibody Purification:	Protein G purified
Amount:	25 µg
Antibody Concentration:	1 mg/ml
Lot Number:	15DE1
Storage Buffer:	Phosphate buffered saline, pH 7.4, 50% glycerol, 0.1% sodium azide
Storage Conditions and Stability:	For long term storage, keep frozen at -40°C or lower. Stock solution can be kept at +4°C for more than 3 months. Avoid repeated freeze-thaw cycles. For long term storage, keep frozen at -40°C or lower. Stock solution can be kept at +4°C for more than 3 months. Avoid repeated freeze-thaw cycles.

Applications

Product Use:	WB ICC/IF IP
Antibody Dilution Recommended:	WB (1:1000), ICC/IF (1:100); optimal dilutions for assays should be determined by the user.
Antibody Species Reactivity:	Mouse Rat Sheep Rabbit Hamster Dog Bovine
Antibody Positive Control:	1 µg/ml of SMC-478 was sufficient for detection of TCP1 alpha in 20 µg of 3T3 cell lysate by colorimetric immunoblot analysis using Goat anti-rat IgG:HRP as the secondary antibody.
Target Detection Immunoblotting:	Detects a ~60 kDa protein. Also detects ~92 kDa protein. The addition of an alanine (LDDA COOH) prevents binding in ELISA assays to immobilized synthetic peptide sequences. This antibody recognizes other proteins, most notably the p102B' COP subunit of Golgi coatomer. It does not react with human HSP60 protein.

This product is for in vitro research use only and is not intended for use in humans or animals.

For more information on our products please visit www.kinexusproducts.ca or contact us at 1-888-546-3987