

AB-NN346-1

TCP1-alpha Antibody

Pan-specific monoclonal antibody (91a) for monitoring the expression of mouse TCP1-alpha



KINEXUS

Address: 8755 Ash Street, Suite 1
Vancouver, British Columbia,
Canada V6P 6T3

Email: info@kinexus.ca
Phone: 604-323-2547

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
UniProt ID:	P11983 - Mouse
Human Predicted Mass (KDa):	60.344 (556 AA; P17987-1)
Observed SDS-PAGE Mass (KDa):	60

Immunogen

Antibody Immunogen Source:	Recombinant Mouse TCP1 alpha protein fragment (carboxy terminal region).
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Production

Antibody Host Species:	Rat
Antibody Type:	Monoclonal
Antibody Ig Isotype Clone Lot:	191 IgG2a
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 IP FCM IHC
Antibody Dilution Recommended:	WB (1:1000), ICC/IF (1:100); optimal dilutions for assays should be determined by the user.
Antibody Species Reactivity:	Human Mouse Rat Bovine Rabbit Guinea pig Hamster Dog Pig S. cerevisiae C. elegans Drosophila Monkey
Antibody Positive Control:	1 µg/ml of SMC-479 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.
Antibody Cross Reactivities:	Cross reactivity with human HSP60 has been observed with this antibody in immunoblot analysis. Reacts weakly with Saccharomyces cerevisiae, consistent with the epitope sequence being AKLRS (instead of AKLRA). In C. elegans, it reacts with TCP1 alpha and another CCT subunit. In plants, it recognizes TCP1 of Pisum sativum, and the sequence of Arabidopsis thaliana TCP1 over the region of the epitope AKLRA. It has also been shown that it reacts with a subunit of a specialized chaperonin which folds phytochrome.

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

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