

T-Complex Protein 1 Subunit Alpha (TCP1 alpha) Antibody (APC)

Catalogue No.: abx442766



Fluorescence emission spectra of APC.

TCP1 alpha Antibody is a Rat Monoclonal against TCP1 alpha.

Target:	T-Complex Protein 1 Subunit Alpha (TCP1 alpha)
Clonality:	Monoclonal
Reactivity:	Human, Mouse, Rat, Cow, Rabbit, Guinea pig, Hamster, Dog, Pig, Yeast, Worm, Drosophila, Monkey
Tested Applications:	WB, IF/ICC, FCM, IP
Host:	Rat
Recommended dilutions:	WB: 1/1000, IF/ICC: 1/100. Optimal dilutions/concentrations should be determined by the end user.
Conjugation:	APC
Excitation/Emission:	651/660
Laser Line:	647
Immunogen:	Recombinant Mouse TCP1 alpha protein fragment (carboxy terminal region)..
Isotype:	IgG _{2a}
Purification:	Purified by Protein G.
Storage:	Aliquot and store at 4°C. Avoid repeated freeze/thaw cycles.
UniProt Primary AC:	P11983 (UniProt , ExPASy)
GeneID:	21454

Datasheet

Version: 3.0.0
Revision date: 29 Aug 2025



NCBI Accession: NP_038714.2

KEGG: mmu:21454

String: [10090.ENSMUSP00000116108](#)

Buffer: PBS, pH 7.4, 50% glycerol, 0.1% sodium azide.

Specificity: Detects ~60 & ~92kDa. 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.

Concentration: 1 mg/ml

Note: THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.

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