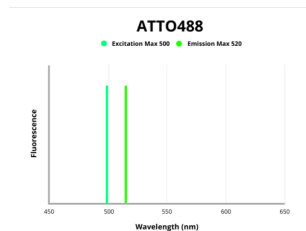


T-Complex Protein 1 Subunit Alpha (TCP1 alpha) Antibody (ATTO488)

Catalogue No.: abx440518



Fluorescence emission spectra of ATTO 488.

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: | ATTO488 |
| Excitation/Emission: | 500/520 |
| Laser Line: | 488 |
| 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: 21 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.

For Reference Only