

# TRUB2 Rabbit mAb

Catalog # AP76208

## Product Information

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Application	WB
Primary Accession	<a href="#">O95900</a>
Reactivity	Human
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	36694

## Additional Information

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Gene ID	26995
Other Names	TRUB2
Dilution	WB~~1/500-1/1000
Format	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA.
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

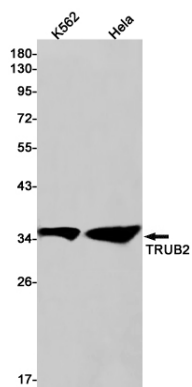
## Protein Information

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Name	TRUB2 {ECO:0000303   PubMed:12736709, ECO:0000312   HGNC:HGNC:17170}
Function	Minor enzyme contributing to the isomerization of uridine to pseudouridine (pseudouridylation) of specific mitochondrial mRNAs (mt- mRNAs) such as COXI and COXIII mt-mRNAs (PubMed: <a href="#">27974379</a> , PubMed: <a href="#">31477916</a> ). As a component of a functional protein-RNA module, consisting of RCC1L, NGRN, RPUSD3, RPUSD4, TRUB2, FASTKD2 and 16S mitochondrial ribosomal RNA (16S mt-rRNA), controls 16S mt-rRNA abundance and is required for intra-mitochondrial translation (PubMed: <a href="#">27667664</a> ). Also catalyzes pseudouridylation of some tRNAs, including synthesis of pseudouridine(55) from uracil-55, in the psi GC loop of a subset of tRNAs (PubMed: <a href="#">33023933</a> ).
Cellular Location	Mitochondrion matrix Note=Localizes to mitochondrial RNA granules, platforms for post- transcriptional RNA modification and ribosome assembly

## Images

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