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TRUB2 Rabbit mAb

Catalog # AP76208

Product Information

Application	WB
Primary Accession	O95900
Reactivity	Human
Host	Rabbit
Clonality	Monoclonal Antibody
Isotype	IgG
Conjugate	Unconjugated
Purification	Affinity Purified
Calculated MW	36694

Additional Information

Gene ID	26995
Other Names	TRUB2
Dilution	WB~~1:500-1:1000
Format	Liquid in 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.

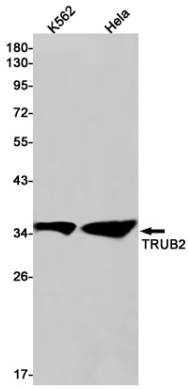
Protein Information

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:27974379, PubMed:31477916). 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:27667664). 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:33023933).
Cellular Location	Mitochondrion matrix Note=Localizes to mitochondrial RNA granules, platforms for post- transcriptional RNA modification and ribosome assembly

Background

May be responsible for synthesis of pseudouridine from uracil in transfer RNAs.

Images



Western blot analysis of TRUB2 in K562, Hela lysates using TRUB2 antibody.

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