Rabbit anti-Human TRUB1 Polyclonal Antibody | anti-TRUB1 antibody

TRUB1 Antibody (Center)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA289694	**Rabbit**	**Human**	**Immunohistochemistry, ELISA, Western Blot**

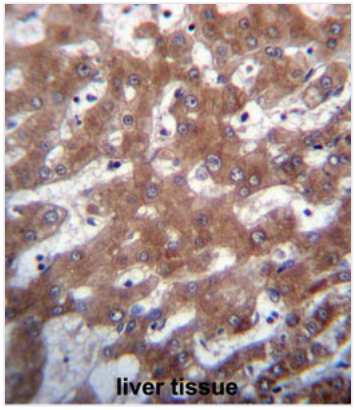
PRODUCT SYNONYMS

TRUB1; Polyclonal Antibody; TRUB1 Antibody (Center); Probable tRNA pseudouridine synthase 1; 5499-; PUS4; anti-TRUB1 antibody

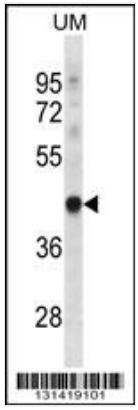
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This TRUB1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 152-180 amino acids from the Central region of human TRUB1.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Sequence Positions	152-180
Applicable Applications for anti-TRUB1 antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Function	Pseudouridine synthase that catalyzes pseudouridylation of mRNAs (PubMed:). Mediates pseudouridylation of mRNAs with the consensus sequence 5'-GUUCNANNC-3', harboring a stem-loop structure (PubMed:). Constitutes the major pseudouridine synthase acting on mRNAs (PubMed:).
Cellular Location	Nucleus. Cytoplasm, cytosol. Note=Catalyzes pseudouridylation of mRNAs in the nucleus
Tissue Location	Highly expressed in heart, skeletal muscle and liver. Expressed at lower levels in lung, small intestine, kidney and spleen.
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IHC (Immunohiostchemistry)
TRUB1 Antibody (Center) immunohistochemistry analysis in formalin fixed and paraffin embedded human liver tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of TRUB1 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
TRUB1 Antibody (Center) western blot analysis in uterus tumor cell line lysates (35ug/lane).This demonstrates the TRUB1 antibody detected the TRUB1 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-TRUB1 antibody	Pseudouridine is an abundant component of rRNAs and tRNAs and is enzymatically generated by isomerization of uridine by pseudouridine synthase (Zucchini et al., 2003 [PubMed 12736709]).
References	Grupe, A., et al. Am. J. Hum. Genet. 78(1):78-88(2006) Deloukas, P., et al. Nature 429(6990):375-381(2004) Zucchini, C., et al. Int. J. Mol. Med. 11(6):697-704(2003)

NCBI AND UNIPROT INFORMATION

NCBI GI #	21040257
NCBI GeneID	142940
NCBI Accession #	NP_631908.1
NCBI GenBank Nucleotide #	NM_139169.4
UniProt Accession #	Q8WWH5; Q53ES2; B2R716
Molecular Weight	37253
NCBI Official Full Name	probable tRNA pseudouridine synthase 1
NCBI Official Synonym Full Names	TruB pseudouridine (psi) synthase family member 1
NCBI Official Symbol	TRUB1
NCBI Official Synonym Symbols	PUS4
NCBI Protein Information	probable tRNA pseudouridine synthase 1
UniProt Protein Name	Probable tRNA pseudouridine synthase 1
UniProt Gene Name	**TRUB1**
UniProt Synonym Gene Names	PUS4
UniProt Entry Name	TRUB1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.