

Rabbit MRTO4 Polyclonal Antibody | anti-MRTO4 antibody

MRTO4 Antibody (N-term)

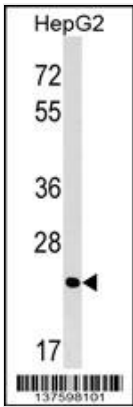
CATALOG # AAA285544	HOST Rabbit	REACTIVITY Human Predicted Reactivity: Bovine, Mouse	APPLICATIONS ELISA, Western Blot
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PRODUCT SYNONYMS

MRTO4; Polyclonal Antibody; MRTO4 Antibody (N-term); mRNA turnover protein 4 homolog; C1orf33; MRT4; anti-MRTO4 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human Predicted Reactivity: Bovine, Mouse
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This MRTO4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 46-72 amino acids from the N-terminal region of human MRTO4.
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	46-72
Sequence Length	239
Applicable Applications for anti-MRTO4 antibody	ELISA, WB (Western Blot)
Antigen Region	46-72
Function	Component of the ribosome assembly machinery. Nuclear paralog of the ribosomal protein P0, it binds pre-60S subunits at an early stage of assembly in the nucleolus, and is replaced by P0 in cytoplasmic pre-60S subunits and mature 80S ribosomes.
Cellular Location	Nucleus, nucleolus. Cytoplasm Note=Shuttles between the nucleus and the cytoplasm
Preparation and Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.



WB (Western Blot)
MRTO4 Antibody (N-term) western blot analysis in HepG2 cell line lysates (35ug/lane). This demonstrates the MRTO4 antibody detected the MRTO4 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-MRTO4 antibody	CDC25A is a dual specificity (tyr/thr) phosphatase and a putative upregulated c-Myc target gene. It is a regulator of the cell cycle required for progression from G1 to S phase. CDC25A is a member of the CDC25 family of phosphatases. CDC25A is specifically degraded in response to DNA damage, which prevents cells with chromosomal abnormalities from progressing through cell division. Overexpression of CDC25A bypassed the mechanism of cell cycle arrest, leading to enhanced DNA damage and decreased cell survival. Specific degradation of CDC25A is identified as part of the DNA damage checkpoint mechanism and suggested how CDC25A overexpression in human cancers might contribute to tumorigenesis.
References	Michalec, B., et al. Int. J. Biochem. Cell Biol. 42(5):736-748(2010) Rose, J. Phd, et al. Mol. Med. (2010) In press : Scherl, A., et al. Mol. Biol. Cell 13(11):4100-4109(2002) Andersen, J.S., et al. Curr. Biol. 12(1):1-11(2002)

NCBI AND UNIPROT INFORMATION

NCBI GI #	18490987
NCBI GeneID	51154
NCBI Accession #	NP_057267.2
NCBI GenBank Nucleotide #	NM_016183.3
UniProt Accession #	Q9UKD2; Q5TG55; Q96SS6; Q9BPV9; B3KNB3
NCBI Official Full Name	mRNA turnover protein 4 homolog
NCBI Official Synonym Full Names	MRTO4 ribosome maturation factor
NCBI Official Symbol	MRTO4
NCBI Official Synonym Symbols	MRT4; C1orf33; dJ657E11.4
NCBI Protein Information	mRNA turnover protein 4 homolog
UniProt Protein Name	mRNA turnover protein 4 homolog
UniProt Gene Name	MRTO4
UniProt Synonym Gene Names	C1orf33; MRT4
UniProt Entry Name	MRT4_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.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/mrto4-antibody-western-blot-elisa/285544>