

Rabbit MTR4 Polyclonal Antibody | anti-MTR4 antibody

MTR4 Antibody

CATALOG # AAA327109	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS ELISA, Immunohistochemistry, Western Blot
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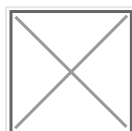
PRODUCT SYNONYMS

MTR4; Polyclonal Antibody; MTR4 Antibody; 2610528A15Rik; ATP dependent helicase SKIV2L2; Dob1; KIAA0052; MGC142069; mKIAA0052; Mtr4; superkiller viralicidic activity 2 like 2 (S. cerevisiae); Superkiller viralicidic activity 2 like 2; anti-MTR4 antibody

PRODUCT SPECIFICATIONS

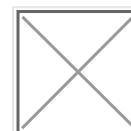
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	MTR4 antibody detects endogenous levels of total MTR4
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	1042
Applicable Applications for anti-MTR4 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human MTR4
Subcellular Location	Nucleus, Nucleolus.
Predicted Cross Reactivity	Pig, Bovine, Chicken
Similarity	Pig (100%), Bovine (100%), Chicken (92%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of Hela whole cell lysates, using MTR4 Antibody. The lane on the left is treated with the antigen-specific peptide.



IHC (Immunohistochemistry)

AAA327109 at 1/100 staining Rat spleen tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-MTR4 antibody	Function: Component of exosome targeting complexes. Subunit of the trimeric nuclear exosome targeting (NEXT) complex, a complex that directs a subset of non-coding short-lived RNAs for exosomal degradation. Subunit of the trimeric poly(A) tail exosome targeting (PAXT) complex, a complex that directs a subset of long and polyadenylated poly(A) RNAs for exosomal degradation. The RNA exosome is fundamental for the degradation of RNA in eukaryotic nuclei. Substrate targeting is facilitated by its cofactor MTREX, which links to RNA-binding protein adapters (PubMed:27871484). May be involved in pre-mRNA splicing. Associated with the RNA exosome complex and involved in the 3'-processing of the 7S pre-RNA to the mature 5.8S rRNA. Subunit Structure: Component of a TRAMP-like complex, an ATP-dependent exosome regulatory complex consisting of a helicase (MTREX), an oligadenylate polymerase (PAPD5 or PAPD7), and a substrate specific RNA-binding factor (ZCCHC7 or ZCCHC8). Several TRAMP-like complexes exist with specific compositions and are associated with nuclear, or nucleolar RNA exosomes. Identified in the spliceosome C complex. Interacts with isoform 1 of NVL in an ATP-dependent manner. Component of the poly(A) tail exosome targeting (PAXT) complex made of PABPN1, ZFC3H1 and MTREX that directs a subset of long and polyadenylated poly(A) RNAs for exosomal degradation (PubMed:27871484). Component of the nuclear exosome targeting (NEXT) complex composed of MTREX, ZCCHC8, and RBM7 that directs a subset of non-coding short-lived RNAs for exosomal degradation (PubMed:27905398, PubMed:27871484). Interacts with ZCCHC8 (PubMed:27905398, PubMed:16263084). Binds to ZFC3H1 and RBM7 in a RNase-insensitive manner (PubMed:27871484). Similarity: Belongs to the helicase family. SKI2 subfamily.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	193211480
NCBI GeneID	23517
NCBI Accession #	NP_056175.3
NCBI GenBank Nucleotide #	NM_015360.4
UniProt Accession #	P42285; Q2M386; Q6MZZ8; Q6P170; Q8N5R0; Q8TAG2
Molecular Weight	Observed: 118 kDa Predicted: 118 kDa
NCBI Official Full Name	exosome RNA helicase MTR4
NCBI Official Synonym Full Names	Mtr4 exosome RNA helicase
NCBI Official Symbol	MTREX
NCBI Official Synonym Symbols	Dob1; Mtr4; SKIV2L2; fSAP118; KIAA0052
NCBI Protein Information	exosome RNA helicase MTR4
UniProt Protein Name	Exosome RNA helicase MTR4
UniProt Gene Name	MTREX

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://stage.aaabiotech.com/polyclonal/mtr4-antibody-immunohistochemistry-western-blot-elisa/327109>