

Rabbit MRPS5 Polyclonal Antibody | anti-MRPS5 antibody

MRPS5 Antibody - N-terminal region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA201454	Rabbit	Tested Species Reactivity: Human Predicted Species Reactivity: Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse, Rabbit, Zebrafish	Western Blot

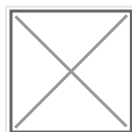
PRODUCT SYNONYMS

MRPS5; Polyclonal Antibody; MRPS5 Antibody - N-terminal region; anti-MRPS5 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Tested Species Reactivity: Human Predicted Species Reactivity: Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse, Rabbit, Zebrafish
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Concentration	0.5 mg/ml (varies by lot)
Sequence	Synthetic peptide located within the following region: ET GAGAKKGRGK RTKKKKRKDL NRGQIIIGEGR YGFLWPGLNV PLMKNGAV
Sequence Length	430
Applicable Applications for anti-MRPS5 antibody	WB (Western Blot)
Predicted Homology	Cow: 93%; Dog: 86%; Guinea Pig: 92%; Horse: 93%; Human: 100%; Mouse: 93%; Rabbit: 93%; Rat: 93%; Zebrafish: 86%
Immunogen	The immunogen is a synthetic peptide directed towards the N-terminal region of Human MRPS5
Protein Size (# AA)	430 amino acids
Protein Interactions	TP53; SUMO2; UBC; C1QBP; MRPL24; TMEM43; MRPS35; MRPS10; ZMPSTE24; FLOT1; UQCRCF1P1; TUFM; SDHB; ILF3; GALNT2; EEF2; CORO1C; CAND1; CUL3; ICT1; DDX56;
Blocking Peptide	For anti-MRPS5 antibody is Catalog #
Preparation and Storage	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

IMAGES


WB (Western Blot)

Host: Rabbit Target Name: MRPS5 Sample Type: Fetal Lung lysates Antibody Dilution: 1.0ug/ml

ADDITIONAL INFORMATION

Related Product Information for anti-MRPS5 antibody	Target Description: Mammalian mitochondrial ribosomal proteins are encoded by nuclear genes and help in protein synthesis within the mitochondrion. Mitochondrial ribosomes (mitoribosomes) consist of a small 28S subunit and a large 39S subunit. They have an estimated 75% protein to rRNA composition compared to prokaryotic ribosomes, where this ratio is reversed. Another difference between mammalian mitoribosomes and prokaryotic ribosomes is that the latter contain a 5S rRNA. Among different species, the proteins comprising the mitoribosome differ greatly in sequence, and sometimes in biochemical properties, which prevents easy recognition by sequence homology. This gene encodes a 28S subunit protein that belongs to the ribosomal protein S5P family. Pseudogenes corresponding to this gene are found on chromosomes 4q, 5q, and 18q.
Product Categories/Family for anti-MRPS5 antibody	Polyclonal; Mitochondria

NCBI AND UNIPROT INFORMATION

NCBI GI #	13994259
NCBI GeneID	64969
NCBI Accession #	NP_114108
NCBI GenBank Nucleotide #	NM_031902
UniProt Accession #	P82675
Molecular Weight	47kDa
NCBI Official Full Name	28S ribosomal protein S5, mitochondrial isoform a
NCBI Official Synonym Full Names	mitochondrial ribosomal protein S5
NCBI Official Symbol	MRPS5
NCBI Official Synonym Symbols	S5mt; MRP-S5
NCBI Protein Information	28S ribosomal protein S5, mitochondrial
UniProt Protein Name	28S ribosomal protein S5, mitochondrial
UniProt Gene Name	MRPS5
UniProt Synonym Gene Names	MRP-S5; S5mt
UniProt Entry Name	RT05_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.