

Rabbit MRPS15 Polyclonal Antibody | anti-MRPS15 antibody

MRPS15 antibody - N-terminal region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA197558	Rabbit	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat	Western Blot, Immunohistochemistry

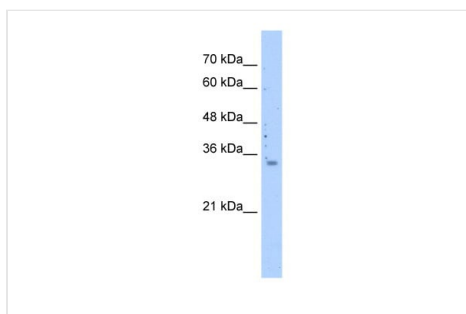
PRODUCT SYNONYMS

MRPS15; Polyclonal Antibody; MRPS15 antibody - N-terminal region; anti-MRPS15 antibody

PRODUCT SPECIFICATIONS

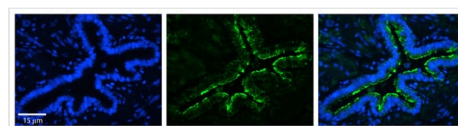
Host	Rabbit
Reactivity	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide with the following region: RG YVVRKPAQSR LDDPPSTL LKDYQNVPGI EKVDVVKRL LSLEMANK
Sequence Length	257
Applicable Applications for anti-MRPS15 antibody	WB (Western Blot), IHC (Immunohistochemistry)
Homology	Cow: 100%; Dog: 92%; Guinea Pig: 100%; Horse: 93%; Human: 100%; Mouse: 83%; Rabbit: 86%; Rat: 92%
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of human MRPS15
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



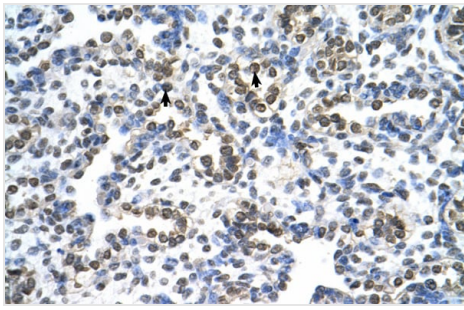
WB (Western Blot)

WB Suggested Anti-MRPS15 Antibody Titration: 0.2-1 ug/ml
 ELISA Titer: 1:12500
 Positive Control: 721_B cell lysate
 MRPS15 is supported by BioGPS gene expression data to be expressed in 721_B



IHC (Immunohistochemistry)

Rabbit Anti-MRPS15 Antibody
 Formalin Fixed Paraffin Embedded Tissue: Human Bronchial Epithelial Tissue
 Observed Staining: Plasma Membrane
 Primary Antibody Concentration: 1:100
 Secondary Antibody: Donkey anti-Rabbit-Cy3
 Secondary Antibody Concentration: 1:200
 Magnification: 20X
 Exposure Time: 0.5 - 2.0 sec



IHC (Immunohistochemistry)
Human Lung

ADDITIONAL INFORMATION

Related Product Information for anti-MRPS15 antibody	This is a rabbit polyclonal antibody against MRPS15. It was validated on Western Blot and immunohistochemistry 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. MRPS15 is a 28S subunit protein that belongs to the ribosomal protein S15P family. 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 S15P family. The encoded protein is more than two times the size of its E. coli counterpart, with the 12S rRNA binding sites conserved. Between human and mouse, the encoded protein is the least conserved among small subunit ribosomal proteins. Pseudogenes corresponding to this gene are found on chromosomes 15q and 19q.
Product Categories/Family for anti-MRPS15 antibody	Polyclonal ; Transcription Factor ; Signal Proteins ; Chromatin & Nuclear Signaling ; DNA/RNA/Protein Interactions ; Immunohistochemistry

NCBI AND UNIPROT INFORMATION

NCBI GI #	16554611
NCBI GeneID	64960
NCBI Accession #	NP_112570
NCBI GenBank Nucleotide #	NM_031280
UniProt Accession #	P82914
Molecular Weight	30kDa
NCBI Official Full Name	28S ribosomal protein S15, mitochondrial
NCBI Official Synonym Full Names	mitochondrial ribosomal protein S15
NCBI Official Symbol	MRPS15
NCBI Official Synonym Symbols	DC37; S15mt; RPMS15; MPR-S15
NCBI Protein Information	28S ribosomal protein S15, mitochondrial
UniProt Protein Name	28S ribosomal protein S15, mitochondrial
UniProt Gene Name	MRPS15
UniProt Synonym Gene Names	RPMS15; DC37; MRP-S15; S15mt
UniProt Entry Name	RT15_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://stage.aaabiotech.com/polyclonal/mrps15-antibody-western-blot-immunohistochemistry-elisa/197558>