

Rabbit anti-Human MRPL13 Polyclonal Antibody | anti-MRPL13 antibody

[KD Validated] MRPL13 Rabbit pAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA283237	Rabbit	Human	ELISA, Immunohistochemistry, Western Blot

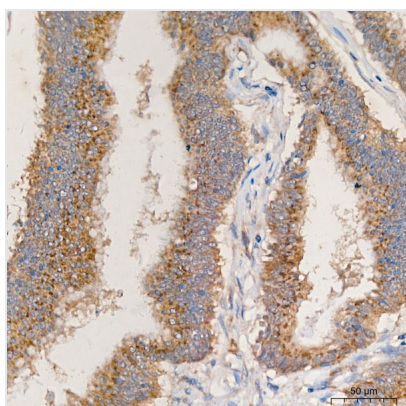
PRODUCT SYNONYMS

MRPL13; Polyclonal Antibody; [KD Validated] MRPL13 Rabbit pAb; L13; L13A; L13mt; RPL13; RPML13; mitochondrial ribosomal protein L13; anti-MRPL13 antibody

PRODUCT SPECIFICATIONS

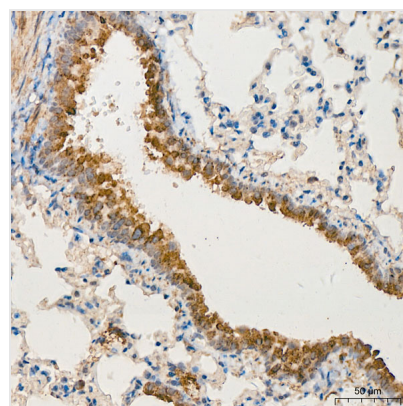
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.05% proclin300, 50% glycerol, pH7.3.
Sequence	NKWEQKVYSS HTGYPGGFRQ VTAAQLHLRD PVAIVKLAIV GMLPKNLHRR TMMERLHLFP DEYIPEDILK NLVEELPQPR KIPKRLDEYT QEEIDAFPRL WTPPEDYRL
Applicable Applications for anti-MRPL13 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Cross Reactivity	Human, Mouse, Rat
Immunogen	A synthetic peptide corresponding to a sequence within amino acids 70-178 of human MRPL13 (NP_054797.2).
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



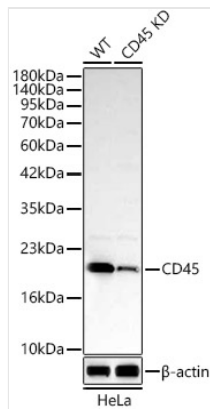
IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded Human colon carcinoma tissue using [KD Validated] MRPL13 Rabbit pAb (AAA283237) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



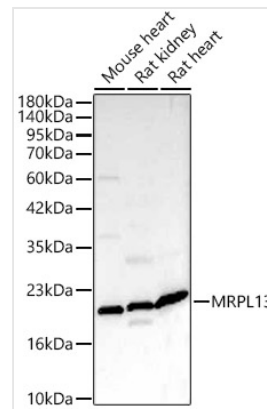
IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded Mouse lung tissue using [KD Validated] MRPL13 Rabbit pAb (AAA283237) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



WB (Western Blot)

Western blot analysis of lysates from wild type (WT) and MRPL13 knockdown (KD) HeLa cells using [KD Validated] MRPL13 Rabbit pAb (AAA283237) at 1:2000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25 ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 60s.



WB (Western Blot)

Western blot analysis of various lysates using [KD Validated] MRPL13 Rabbit pAb (AAA283237) at 1:2000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates / proteins: 25 ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 60s.

ADDITIONAL INFORMATION

Related Product Information for anti-MRPL13 antibody

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 39S subunit protein.

Product Categories/Family for anti-MRPL13 antibody

Epigenetics & Nuclear Signaling; RNA Binding; Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	14165270
NCBI GeneID	28998
NCBI Accession #	NP_054797.2
NCBI GenBank Nucleotide #	NM_014078.5
UniProt Accession #	Q9BYD1; Q9UI04; B2R4R8
Molecular Weight	Calculated MW: 20kDa Observed MW: 20kDa
UniProt Protein Name	39S ribosomal protein L13, mitochondrial
UniProt Gene Name	MRPL13
UniProt Synonym Gene Names	L13mt; MRP-L13
UniProt Entry Name	RM13_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/mrpl13-antibody-immunohistochemistry-western-blot-elisa/283237>