

Rabbit anti-Human MRPL27 Polyclonal Antibody | anti-MRPL27 antibody

[KD Validated] MRPL27 Rabbit pAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA283280	Rabbit	Human	ELISA, Immunohistochemistry, Western Blot

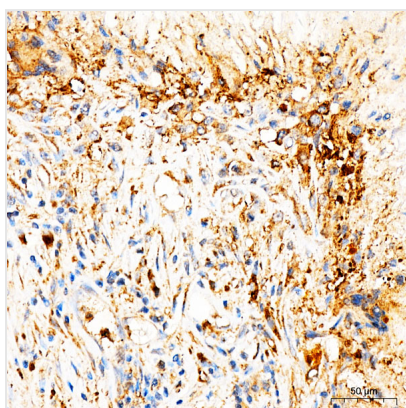
PRODUCT SYNONYMS

MRPL27; Polyclonal Antibody; [KD Validated] MRPL27 Rabbit pAb; L27mt; anti-MRPL27 antibody

PRODUCT SPECIFICATIONS

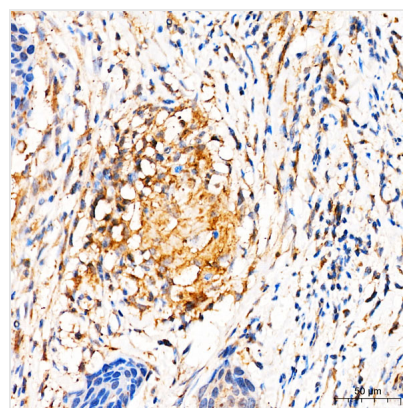
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.05% proclin300, 50% glycerol, pH7.3.
Sequence	RRQGIKKMEG HYVHAGNIIA TQRHFRWHPG AHVGVGKNKC LYALEEGIVR YTKEVYVPHP RNTEAVDLIT RLPKGAVLYK TFVHVVPAPK EGTFLVAML
Applicable Applications for anti-MRPL27 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Cross Reactivity	Human, Mouse
Immunogen	A synthetic peptide corresponding to a sequence within amino acids 49-148 of human MRPL27(NP_057588.1).
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



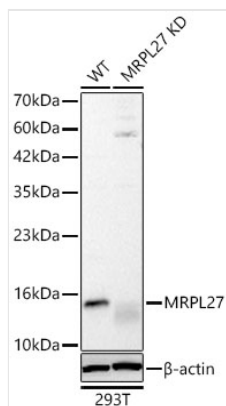
IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded Human liver cancer tissue using [KD Validated] MRPL27 Rabbit pAb (AAA283280) at a dilution of 1:100 (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 Human cervical squamous cell carcinoma tissue using [KD Validated] MRPL27 Rabbit pAb (AAA283280) at a dilution of 1:100 (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 MRPL27 knockdown (KD) 293T cells using [KD Validated] MRPL27 Rabbit pAb (AAA283280) at 1:1000 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-MRPL27 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-MRPL27 antibody	Epigenetics Nuclear Signaling ; RNA Binding ; Signal Transduction ; Endocrine Metabolism ; Mitochondrial metabolism ; Mitochondrial markers ; Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	7706057
NCBI GeneID	51264
NCBI Accession #	NP_057588.1
NCBI GenBank Nucleotide #	NM_016504.2
UniProt Accession #	Q9P0M9
Molecular Weight	Calculated MW: 16kDa Observed MW: 16kDa
UniProt Protein Name	39S ribosomal protein L27, mitochondrial
UniProt Gene Name	MRPL27
UniProt Synonym Gene Names	HSPC250; L27mt; MRP-L27
UniProt Entry Name	RM27_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/mrpl27-antibody-immunohistochemistry-western-blot-elisa/283280>