

Rabbit anti-Human AARS2 Polyclonal Antibody | anti-AARS2 antibody

[KD Validated] AARS2 Rabbit pAb

CATALOG # AAA283326	HOST Rabbit	REACTIVITY Human	APPLICATIONS ELISA, Western Blot
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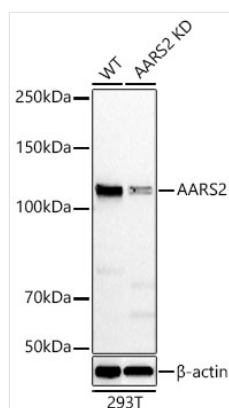
PRODUCT SYNONYMS

AARS2; Polyclonal Antibody; [KD Validated] AARS2 Rabbit pAb; AARSL; LKENP; COXPD8; MTALARS; MT-ALARS; anti-AARS2 antibody

PRODUCT SPECIFICATIONS

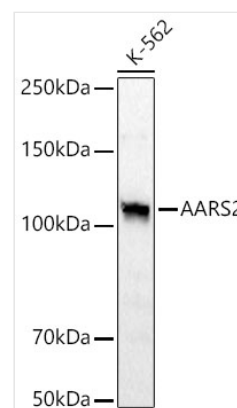
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Sequence	GLWLDVHALG ELQRQGVPT DDSPKYNYSL RPSGSYEFGT CEAQVLQLYT EDGTAVASVG KGQRCGLLLD RTNFYAEQGG QASDRGYLVR AGQEDVLPV ARAQVCGGFI LHEAVAPECL RLGDQVQLHV
Applicable Applications for anti-AARS2 antibody	ELISA, WB (Western Blot)
Cross Reactivity	Human, Mouse
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 491-620 of human AARS2 (NP_065796.2).
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



WB (Western Blot)

Western blot analysis of lysates from wild type (WT) and AARS2 knockdown (KD) 293T cells using [KD Validated] AARS2 Rabbit pAb (AAA283326) at 1:1000 dilution incubated overnight at 4?.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: 90s.



WB (Western Blot)

Western blot analysis of lysates from K-562 cells using [KD Validated] AARS2 Rabbit pAb (AAA283326) at 1:1000 dilution incubated overnight at 4?.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: 90s.

ADDITIONAL INFORMATION

Related Product Information for anti-AARS2 antibody	The protein encoded by this gene belongs to the class-II aminoacyl-tRNA synthetase family. Aminoacyl-tRNA synthetases play critical roles in mRNA translation by charging tRNAs with their cognate amino acids. The encoded protein is a mitochondrial enzyme that specifically aminoacylates alanyl-tRNA. Mutations in this gene are a cause of combined oxidative phosphorylation deficiency 8.
Product Categories/Family for anti-AARS2 antibody	Epigenetics Nuclear Signaling; Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	38569417
NCBI GeneID	57505
NCBI Accession #	NP_065796.1
NCBI GenBank Nucleotide #	NM_020745.3
UniProt Accession #	Q5JTZ9; Q8N198; Q96D02; Q9ULF0; A2RRN5
Molecular Weight	Calculated MW: 107kDa Observed MW: 107kDa
UniProt Protein Name	Alanine--tRNA ligase, mitochondrial
UniProt Gene Name	AARS2
UniProt Synonym Gene Names	AARSL; KIAA1270; AlaRS
UniProt Entry Name	SYAM_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.