

Rabbit anti-Human YARS2 Polyclonal Antibody | anti-YARS2 antibody

YARS2 Antibody (N-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA285260	Rabbit	Human	Immunohistochemistry, ELISA, Western Blot

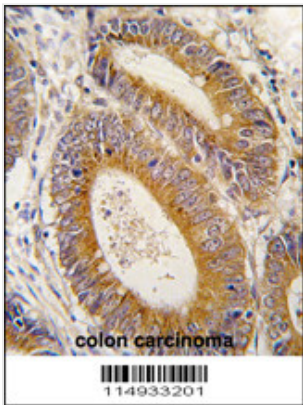
PRODUCT SYNONYMS

YARS2; Polyclonal Antibody; YARS2 Antibody (N-term); Tyrosine--tRNA ligase; mitochondrial; Tyrosyl-tRNA synthetase; TyrRS; anti-YARS2 antibody

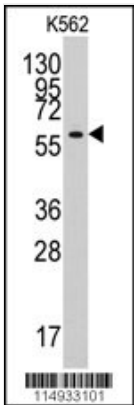
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This YARS2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 43-71 amino acids from the N-terminal region of human YARS2.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	43-71
Sequence Length	477
Applicable Applications for anti-YARS2 antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IHC (Immunohiostchemistry)
Formalin-fixed and paraffin-embedded human colon carcinoma tissue reacted with YARS2 antibody (N-term) , which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



WB (Western Blot)
Western blot analysis of anti-YARS2 Antibody (N-term) in K562 cell line lysates (35ug/lane). YARS(**arrow**) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-YARS2 antibody	YARS2 catalyzes the attachment of tyrosine to tRNA(Tyr) in a two-step reaction: tyrosine is first activated by ATP to form Tyr-AMP and then transferred to the acceptor end of tRNA(Tyr)
Product Categories/Family for anti-YARS2 antibody	Metabolism
References	Bonnefond,L., Structure 15 (11), 1505-1516 (2007) Bonnefond,L., RNA 11 (5), 558-562 (2005) Bonnefond,L., Biochemistry 44 (12), 4805-4816 (2005)

NCBI AND UNIPROT INFORMATION

NCBI GI #	94681057
NCBI GeneID	51067
NCBI Accession #	NP_001035526.1
NCBI GenBank Nucleotide #	NM_001040436.2
UniProt Accession #	Q9Y2Z4; Q9H817; D3DUW8
Molecular Weight	53199
NCBI Official Full Name	tyrosine--tRNA ligase, mitochondrial
NCBI Official Synonym Full Names	tyrosyl-tRNA synthetase 2, mitochondrial
NCBI Official Symbol	YARS2
NCBI Official Synonym Symbols	TYRRS; CGI-04; MLASA2; MT-TYRRS
NCBI Protein Information	tyrosine--tRNA ligase, mitochondrial
UniProt Protein Name	Tyrosine--tRNA ligase, mitochondrial
UniProt Gene Name	YARS2
UniProt Synonym Gene Names	TyrRS
UniProt Entry Name	SYYM_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/yars2-antibody-immunohistochemistry-western-blot-elisa/285260>