

Rabbit anti-Human Tyrosyl-tRNA synthetase, cytoplasmic Polyclonal Antibody | anti-YARS antibody

Rabbit anti-human Tyrosyl-tRNA synthetase, cytoplasmic polyclonal Antibody

CATALOG # AAA229067	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, Western Blot, ELISA
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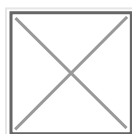
PRODUCT SYNONYMS

Tyrosyl-tRNA synthetase; cytoplasmic; Polyclonal Antibody; Rabbit anti-human Tyrosyl-tRNA synthetase; cytoplasmic polyclonal Antibody; YARS; Tyrosyl-tRNA ligase; TyrRS; anti-YARS antibody

PRODUCT SPECIFICATIONS

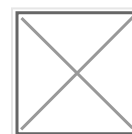
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Caprylic Acid Ammonium Sulfate Precipitation purified
Form/Format	Liquid
Sequence Length	528
Applicable Applications for anti-YARS antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen	Recombinant human Tyrosyl-tRNA synthetase, cytoplasmic protein
Conjugation	Non-conjugated
Storage Buffer	Preservative: 0.03% Proclin 300; Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-26209 / sc-26207
Preparation and Storage	Shipped at 4 degree C. Upon delivery, aliquot and store at -20 degree C or -80 degree C.

IMAGES



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human kidney using AAA229067 at dilution of 1:50



WB (Western Blot)

Western blotAll lanes: Tyrosyl-tRNA synthetase, cytoplasmic Antibody at 2ug/ml+293T whole cell lysateSecondaryGoat polyclonal to Rabbit IgG at 1/15000 dilutionPredicted band size: 58 kDaObserved band size: 58 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-YARS antibody	<p>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)</p> <p>Aminoacyl-tRNA synthetases catalyze the aminoacylation of tRNA by their cognate amino acid. Because of their central role in linking amino acids with nucleotide triplets contained in tRNAs, aminoacyl-tRNA synthetases are thought to be among the first proteins that appeared in evolution. Tyrosyl-tRNA synthetase belongs to the class I tRNA synthetase family. Cytokine activities have also been observed for the human tyrosyl-tRNA synthetase, after it is split into two parts, an N-terminal fragment that harbors the catalytic site and a C-terminal fragment found only in the mammalian enzyme. The N-terminal fragment is an interleukin-8-like cytokine, whereas the released C-terminal fragment is an EMAP II-like cytokine.</p>
Product Categories/Family for anti-YARS antibody	Metabolism

NCBI AND UNIPROT INFORMATION

NCBI GI #	4507947
NCBI GeneID	8565
NCBI Accession #	NP_003671.1
NCBI GenBank Nucleotide #	NM_003680.3
UniProt Accession #	P54577; O43276; Q53EN1; B3KWK4; D3DPQ4
Molecular Weight	59,143 Da
NCBI Official Full Name	tyrosine--tRNA ligase, cytoplasmic
NCBI Official Synonym Full Names	tyrosyl-tRNA synthetase
NCBI Official Symbol	YARS
NCBI Official Synonym Symbols	YRS; YTS; TYRRS; CMTDIC
NCBI Protein Information	tyrosine--tRNA ligase, cytoplasmic
UniProt Protein Name	Tyrosine--tRNA ligase, cytoplasmic
UniProt Gene Name	YARS
UniProt Synonym Gene Names	TyrRS
UniProt Entry Name	SYYC_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/tyrosyl-trna-synthetase-cytoplasmic-antibody-immunohistochemistry-western-blot-elisa/229067>