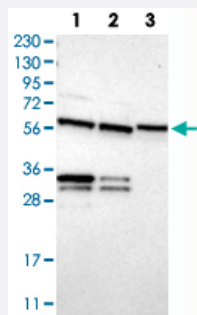


YARS polyclonal antibody

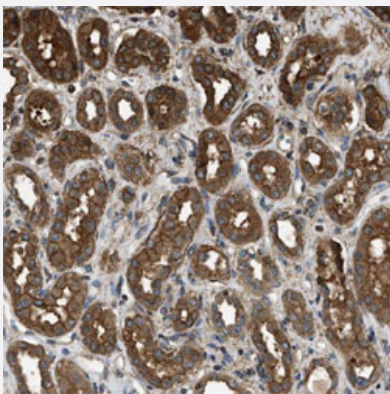
Catalog # PAB31594 Size 100 uL

Applications



Western Blot

Western Blot analysis of (1) Human RT-4 cell, (2) Human U-251MG cell, (3) Human plasma (IgG/HSA depleted).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of human kidney shows distinct positivity in cytoplasmic and membranous tubular cells.

Specification

Product Description	Rabbit polyclonal antibody raised against partial recombinant human YARS.
Immunogen	Recombinant protein corresponding to human YARS.
Sequence	SKEYTLDVYRLSSVVTQHDSKKAGAEVVKQVEHPLL SGLLYPGLQALDEEYLVDAQFGGIDQRK IFTFAEKYLPALGYSKRVHLMNPMVPGLTGSKMSSEEEESKIDLLDRKEDVKK
Host	Rabbit
Reactivity	Human

Form	Liquid
Purification	Antigen affinity purification
Isotype	IgG
Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:200-500) Western Blot (1:100-250) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide).
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot

Western Blot analysis of (1) Human RT-4 cell, (2) Human U-251MG cell, (3) Human plasma (IgG/HSA depleted).

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Gene Info — YARS

Entrez GeneID	8565
Protein Accession#	P54577
Gene Name	YARS
Gene Alias	CMTDIC, TYRRS, YRS, YTS
Gene Description	tyrosyl-tRNA synthetase
Omim ID	603623 608323
Gene Ontology	Hyperlink

Gene Summary

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. [provided by RefSeq]

Other Designations

OTTHUMP00000004027|tyrosine tRNA ligase 1, cytoplasmic

Pathway

- [Aminoacyl-tRNA biosynthesis](#)