

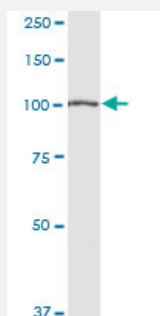
MaxPab®

AARS MaxPab rabbit polyclonal antibody (D01)

Catalog # H00000016-D01

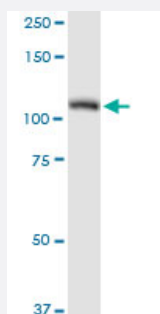
Size 100 uL

Applications



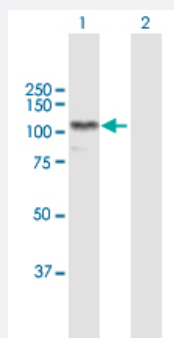
Western Blot (Tissue lysate)

AARS MaxPab rabbit polyclonal antibody. Western Blot analysis of AARS expression in human kidney.



Western Blot (Cell lysate)

AARS MaxPab rabbit polyclonal antibody. Western Blot analysis of AARS expression in Jurkat.

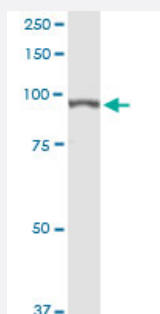


Western Blot (Transfected lysate)

Western Blot analysis of AARS expression in transfected 293T cell line ([H00000016-T01](#)) by AARS MaxPab polyclonal antibody.

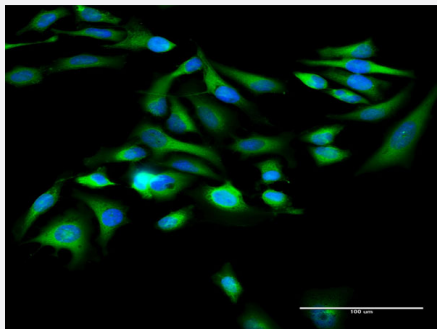
Lane 1: AARS transfected lysate(106.80 KDa).

Lane 2: Non-transfected lysate.



Immunoprecipitation

Immunoprecipitation of AARS transfected lysate using anti-AARS MaxPab rabbit polyclonal antibody and Protein A Magnetic Bead, and immunoblotted with AARS purified MaxPab mouse polyclonal antibody (B01P) ([H00000016-B01P](#)).



Immunofluorescence

Immunofluorescence of purified MaxPab antibody to AARS on HeLa cell.
[antibody concentration 20 ug/ml]

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human AARS protein.
Immunogen	AARS (NP_001596.2, 1 a.a. ~ 968 a.a) full-length human protein.
Sequence	MDSTLTASEIRQRFIDFFKRNEHTYVHSSATIPLDDPTLLFANAGMNQFKPIFLNTIDPSHPMAKLSR AANTQKCIRAGGKHNDLDDVGKDVYHHTFFEMLGSWSGFDYFKELACKMALELLTQEFGIPIERL YVTFGGDEAAGLEADLECKQWQNLGLDDTKILPGNMKDNFWEMGDTGPCGPCSEIHYDRIGG RDA AHLVNQDDPNVLEWNLVFIQYNREADGILKPLPKKSIDTGMGLERLVSVLQNKMSNYDTDLF VPYFEAIQKGTGARPYTGKVGAEADADGIDMAYRVLADHARTITVALADGGRPDNTGRGYVLRRLR RAVRYAHEKLNASRGFFATLVDVVVQSLGDAFPELKKDPDMVKDIINEEEVQFLKTL SRGRRILDR KIQSLGDSKTIPGDTAWLLYDTYGFPVDLTGLIAEEKGLVVDMDGFEFEERKLAQLKSQKGAGGE DLIMLDIYAEELRARGLEVTD DSPKYNHLDSSGSYVFENTVATVMALRREKMFVEEVSTGQECG VVLDKTCFYAEQGGQYDEGYLVKVDSSSEDKTEFTVKNAQVRGGYVLHIGTYGDLKVG DQVWL FIDEPRRRPIMSNHTATHILNFALRSVLGEADQKGSVLAPDRLRFDFTAKGAMSTQQIKKAE EIANE MIEAAKAVYTQDCPLAAAKAIQGLRAVFDETYDPVRRVVSIGVPVSELLDDPSGPAGSLTSVEFC GGTHLRNSSHAGAFVIVTEEAIAKGIRRVAVTGAEAQKALRKAESLKKCLSVMEAKVKAQTAPNK DVQREIADLGEALATAVIPQWQKDELRETLKSLKKVMDDLD RASKADVQKRVLEKTKQFIDSNPN QPLVILEMESGASAKALNEALKLFKMHS PQTSAMLFTVDNEAGKITCLCQVPQNAANRGLKASE WVQQVSGLMDGKGGGKDVSAQATGKNVGCLQEALQLATSF AQLRLGDVKN
Host	Rabbit
Reactivity	Human
Interspecies Antigen Sequence	Mouse (96); Rat (95)
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	No additive
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Tissue lysate)

AARS MaxPab rabbit polyclonal antibody. Western Blot analysis of AARS expression in human kidney.

[Protocol Download](#)

- Western Blot (Cell lysate)

AARS MaxPab rabbit polyclonal antibody. Western Blot analysis of AARS expression in Jurkat.

[Protocol Download](#)

- Western Blot (Transfected lysate)

Western Blot analysis of AARS expression in transfected 293T cell line ([H00000016-T01](#)) by AARS MaxPab polyclonal antibody.

Lane 1: AARS transfected lysate(106.80 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Immunoprecipitation

Immunoprecipitation of AARS transfected lysate using anti-AARS MaxPab rabbit polyclonal antibody and Protein A Magnetic Bead, and immunoblotted with AARS purified MaxPab mouse polyclonal antibody (B01P) ([H00000016-B01P](#)).

[Protocol Download](#)

- Immunofluorescence

Immunofluorescence of purified MaxPab antibody to AARS on HeLa cell. [antibody concentration 20 ug/ml]

Gene Info — AARS

Entrez GeneID	16
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GeneBank Accession#	NM_001605.2
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Protein Accession#	NP_001596.2
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Gene Name	AARS
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Gene Alias	-
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Gene Description	alanyl-tRNA synthetase
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Omim ID [601065](#)

Gene Ontology [Hyperlink](#)

Gene Summary

The human alanyl-tRNA synthetase (AARS) belongs to a family of tRNA synthetases, of the class II enzymes. Class II tRNA synthetases evolved early in evolution and are highly conserved. This is reflected by the fact that 498 of the 968-residue polypeptide human AARS shares 41% identity with the E.coli protein. tRNA synthetases are the enzymes that interpret the RNA code and attach specific amino acids to the tRNAs that contain the cognate trinucleotide anticodons. They consist of a catalytic domain which interacts with the amino acid acceptor-T ψ C helix of the tRNA, and a second domain which interacts with the rest of the tRNA structure. [provided by RefSeq]

Other Designations alanine tRNA ligase 1, cytoplasmic

Pathway

- [Aminoacyl-tRNA biosynthesis](#)