

Rabbit anti-Human, Mouse Valyl-tRNA Synthetase/VARS Polyclonal Antibody | anti-VARS antibody

Rabbit anti-Valyl-tRNA Synthetase/VARS Antibody, Affinity Purified

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA212931	Rabbit	Human, Mouse	Immunoprecipitation, Western Blot

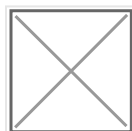
PRODUCT SYNONYMS

Valyl-tRNA Synthetase/VARS; Polyclonal Antibody; Rabbit anti-Valyl-tRNA Synthetase/VARS Antibody; Affinity Purified; valine--tRNA ligase; VARS2; VARS1; valyl-tRNA synthetase 2; valRS; valine tRNA ligase 1; cytoplasmic; protein G7a; NDMSCA; G7A; Valyl-tRNA synthetase; Valine--tRNA ligase; valyl-tRNA synthetase; anti-VARS antibody

PRODUCT SPECIFICATIONS

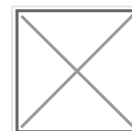
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid. Whole IgG. Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide
Concentration	1000ug/ml (varies by lot)
Applicable Applications for anti-VARS antibody	IP (Immunoprecipitation), WB (Western Blot)
Predicted Reactivity	Rat
Immunogen	Between 1214 and C-terminus
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt

IMAGES



WB (Western Blot)

Detection of human and mouse Valyl-tRNA Synthetase/VARS by western blot. Samples: Whole cell lysate (50 ug) from HeLa, HEK293T, Jurkat, mouse TCMK-1, and mouse NIH 3T3 cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-Valyl-tRNA Synthetase/VARS antibody AAA212931 (lot AAA212931-1) used for WB at 0.1 ug/ml. Detection: Chemiluminescence with an exposure time of 30 seconds.



IP (Immunoprecipitation)

Detection of human Valyl-tRNA Synthetase/VARS by western blot of immunoprecipitates. Samples: Whole cell lysate (0.5 or 1.0 mg per IP reaction; 20% of IP loaded) from 293T cells prepared using NETN lysis buffer. Antibodies: Affinity purified rabbit anti-Valyl-tRNA Synthetase/VARS antibody AAA212931 (lot AAA212931-1) used for IP at 6 ug per reaction. Valyl-tRNA Synthetase/VARS was also immunoprecipitated by rabbit anti-Valyl-tRNA Synthetase/VARS antibody BL18549. For blotting immunoprecipitated Valyl-tRNA Synthetase/VARS, AAA212931 was used at 0.4 ug/ml. Detection: Chemiluminescence with an exposure time of 3 minutes.

ADDITIONAL INFORMATION

Related Product Information for anti-VARS antibody	Valyl-tRNA Synthetase /VARS is an aminoacyl-tRNA synthetase. It catalyzes 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 [taken from NCBI Entrez Gene (Gene ID: 7407)].
Product Categories/Family for anti-VARS antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	5454158
NCBI GeneID	7407
NCBI Accession #	NP_006286.1
NCBI GenBank Nucleotide #	NM_006295.2
UniProt Accession #	P26640; Q5JQ90; Q96E77; Q9UQM2; B0V1N1; B4DZ61
Molecular Weight	33,795 Da
NCBI Official Full Name	valine--tRNA ligase
NCBI Official Synonym Full Names	valyl-tRNA synthetase
NCBI Official Symbol	VARS
NCBI Official Synonym Symbols	G7A; VARS1; VARS2; NDMSCA
NCBI Protein Information	valine--tRNA ligase
UniProt Protein Name	Valine--tRNA ligase
UniProt Gene Name	VARS
UniProt Entry Name	SYVC_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/valyl-trna-synthetase-vars-antibody-immunoprecipitation-western-blot-elisa/212931>