Rabbit anti-Human AARSD1 Polyclonal Antibody | anti-AARSD1 antibody

Anti-AARSD1 Antibody, Rabbit Polyclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA255746	**Rabbit**	**Human**	**Immunoprecipitation, ELISA, Western Blot**

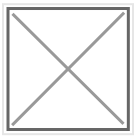
PRODUCT SYNONYMS

AARSD1; Polyclonal Antibody; Anti-AARSD1 Antibody; Rabbit Polyclonal; AARSD1 Antibody; Rabbit PAb; Antigen Affinity Purified; alanyl-tRNA synthetase domain containing 1; anti-AARSD1 antibody

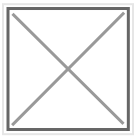
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human AARSD1
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-AARSD1 antibody	IP (Immunoprecipitation), ELISA, WB (Western Blot)
Immunogen	Recombinant Human AARSD1 protein
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with purified, recombinant Human AARSD1 (rh AARSD1). AARSD1 specific IgG was purified by Human AARSD1 affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



WB (Western Blot)
Anti-AARSD1 rabbit polyclonal antibody at 1:500 dilutionLane A: HeLa Whole Cell LysateLysates/proteins at 30 ug per lane.SecondaryGoat Anti-Rabbit IgG H&L (Dylight800) at 1/10000 dilution.Developed using the Odyssey technique.Performed under reducing conditions.Predicted band size:45 kDaObserved band size:45 kDa(We are unsure as to the identity of these extra bands.



IP (Immunoprecipitation)
AARSD1 was immunoprecipitated using:Lane A:0.5 mg Hela Whole Cell Lysate2 uL anti-AARSD1 rabbit polyclonal antibody and 15 ul of 50 % Protein G agarose.Primary antibody:Anti-AARSD1 rabbit polyclonal antibody,at 1:100 dilutionSecondary antibody:Clean-Blot IP Detection Reagent (HRP) at 1:1000 dilutionDeveloped using the DAB staining technique.Performed under reducing conditions.Predicted band size: 45 kDaObserved band size: 45 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-AARSD1 antibody	AARSD1 belongs to the class-II aminoacyl-tRNA synthetase family, Alax-L subfamily. AARSD1 binds 1 zinc ion per subunit functions in trans to edit the amino acid moiety from incorrectly charged tRNA(Ala). Four transcript variants have been described for AARSD1: NM_25267.3, NM_113642.2, NM_1142653.1 and NM_1142654.1. It has been determined that the latter two variants represent a distinct upstream locus, which is now represented by GeneID:1885848 (PTGES3L), while the former two variants represent readthrough transcripts between PTGES3L and this locus (AARSD1). The readthrough locus (PTGES3L-AARSD1) is now represented by GeneID:188585.
References	Tatham MH, et al. (2011) Comparative proteomic analysis identifies a role for SUMO in protein quality control. Oncogene. 19(17):2120-8. Kim W, et al. (2011) Systematic and quantitative assessment of the ubiquitin-modified proteome. Mol Cell. 44(2):325-40. Udeshi ND, et al. (2012) Methods for quantification of in vivo changes in protein ubiquitination following proteasome and deubiquitinase inhibition. Mol Cell Proteomics. 11(5):148-59.

NCBI AND UNIPROT INFORMATION

NCBI GI #	217416402
NCBI GeneID	100885850
NCBI Accession #	NP_001129514.2
NCBI GenBank Nucleotide #	NM_001136042.2
UniProt Accession #	Q9BTE6; B4DI73
Molecular Weight	45,480 Da
NCBI Official Full Name	PTGES3L-AARSD1 protein isoform 1
NCBI Official Synonym Full Names	PTGES3L-AARSD1 readthrough
NCBI Official Symbol	PTGES3L-AARSD1
NCBI Protein Information	PTGES3L-AARSD1 protein
UniProt Protein Name	Alanyl-tRNA editing protein Aarsd1
UniProt Gene Name	**AARSD1**
UniProt Entry Name	AASD1_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/aarsd1-antibody-immunoprecipitation-western-blot-elisa/255746