Rabbit ASRGL1 Polyclonal Antibody | anti-ASRGL1 antibody

ASRGL1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA323176	**Rabbit**	**Human, Mouse, Rat**	**Immunohistochemistry, Western Blot**

PRODUCT SYNONYMS

ASRGL1; Polyclonal Antibody; ASRGL1 Antibody; ALP; ALP1; ASGL1; Asparaginase like 1; Asparaginase like 1 protein; Asparaginase like protein 1; ASRGL 1; beta-aspartyl-peptidase; CRASH; FLJ22316; isoaspartyl dipeptidase; isoaspartyl peptidase/L-asparaginase; L asparaginase; L asparagine amidohydrolase; anti-ASRGL1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	ASRGL1 antibody detects endogenous levels of ASRGL1.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	308
Applicable Applications for anti-ASRGL1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human ASRGL1.
Subcellular Location	Cytoplasm. Note: Midpiece of sperm tail.
Tissue Specificity	Expressed in brain, kidney, testis and tissues of the gastrointestinal tract. Present in sperm (at protein level). Over-expressed in uterine, mammary, prostatic and ovarian carcinoma.
Predicted Cross Reactivity	**Pig, Bovine, Horse, Sheep, Rabbit, Dog, Chicken, Xenopus**
Similarity	Pig (92%), Bovine (100%), Horse (92%), Sheep (100%), Rabbit (100%), Dog (92%), Chicken (91%), Xenopus (92%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES

WB (Western Blot)
Western blot analysis of extracts of HeLa cells, using ASRGL1 antibody.

IHC (Immunohistochemistry)
AAA323176 at 1/100 staining Human lymph cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-ASRGL1 antibody	Function: Has both L-asparaginase and beta-aspartyl peptidase activity. May be involved in the production of L-aspartate, which can act as an excitatory neurotransmitter in some brain regions. Is highly active with L-Asp beta-methyl ester. Besides, has catalytic activity toward beta-aspartyl dipeptides and their methyl esters, including beta-L-Asp-L-Phe, beta-L-Asp-L-Phe methyl ester (aspartame), beta-L-Asp-L-Ala, beta-L-Asp-L-Leu and beta-L-Asp-L-Lys. Does not have aspartylglucosaminidase activity and is inactive toward GlcNAc-L-Asn. Likewise, has no activity toward glutamine. Subunit Structure: Heterodimer of an alpha and beta chain produced by autocleavage. This heterodimer may then dimerize in turn, giving rise to a heterotetramer. Post-translational Modifications: Cleaved into an alpha and beta chain by autocatalysis; this activates the enzyme. The N-terminal residue of the beta subunit is responsible for the nucleophile hydrolase activity. Similarity: Belongs to the Ntn-hydrolase family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	145275202
NCBI GeneID	80150
NCBI Accession #	NP_001077395.1
NCBI GenBank Nucleotide #	NM_001083926.1
UniProt Accession #	Q7L266; Q567Q4; Q6P1P0; Q8NI34; Q9H6F7; B2R7Q0
Molecular Weight	Observed: 32 kDa Predicted: 33 kDa
NCBI Official Full Name	isoaspartyl peptidase/L-asparaginase
NCBI Official Synonym Full Names	asparaginase like 1
NCBI Official Symbol	ASRGL1
NCBI Official Synonym Symbols	ALP; ALP1; CRASH
NCBI Protein Information	isoaspartyl peptidase/L-asparaginase
UniProt Protein Name	Isoaspartyl peptidase/L-asparaginase
UniProt Gene Name	**ASRGL1**
UniProt Synonym Gene Names	ALP; CRASH

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: https://stage.aaabiotech.com/polyclonal/asrgl1-antibody-immunohistochemistry-western-blot-elisa/323176