

Rabbit ARSG Polyclonal Antibody | anti-ARSG antibody

ARSG Antibody

CATALOG # AAA324474	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS ELISA, Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

ARSG; Polyclonal Antibody; ARSG Antibody; Arsg; ARSG_HUMAN; Arylsulfatase G; Arylsulfatase G precursor; ASG; KIAA1001; PRO1777; UNQ839; anti-ARSG antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	ARSG antibody detects endogenous levels of total ARSG
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	525
Applicable Applications for anti-ARSG antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Lysosome. Previously observed endoplasmic reticulum localization is most likely due to folding/maturation problems for overexpressed proteins.
Tissue Specificity	Widely expressed, with very low expression in brain, lung, heart and skeletal muscle.
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 from mouse liver cells, using ARSG antibody. The lane on the left is treated with the antigen-specific peptide.



IHC (Immunohistochemistry)

AAA324474 at 1/100 staining Human brain 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-ARSG antibody	Function: Displays arylsulfatase activity at acidic pH with pseudosubstrates, such as p-nitrocatechol sulfate and also, but with lower activity, p-nitrophenyl sulfate and 4-methylumbelliferyl sulfate. Post-translational Modifications: N-glycosylated. The conversion to 3-oxoalanine (also known as C-formylglycine, FGly), of a serine or cysteine residue in prokaryotes and of a cysteine residue in eukaryotes, is critical for catalytic activity. Glycosylated. Similarity: Belongs to the sulfatase family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	392050740
NCBI GeneID	22901
NCBI Accession #	NP_001254656.1
NCBI GenBank Nucleotide #	NM_001267727.1
UniProt Accession #	Q96EG1; Q6UXF2; Q9Y2K4
Molecular Weight	Observed: 65 kD Predicted: 58 kDa
NCBI Official Full Name	arylsulfatase G isoform 1
NCBI Official Synonym Full Names	arylsulfatase G
NCBI Official Symbol	ARSG
NCBI Official Synonym Symbols	USH4
NCBI Protein Information	arylsulfatase G
UniProt Protein Name	Arylsulfatase G
UniProt Gene Name	ARSG
UniProt Synonym Gene Names	KIAA1001; ASG

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/arsg-antibody-immunohistochemistry-western-blot-elisa/324474>