

Rabbit ALR Polyclonal Antibody | anti-ALR antibody

ALR Antibody

CATALOG # AAA322936	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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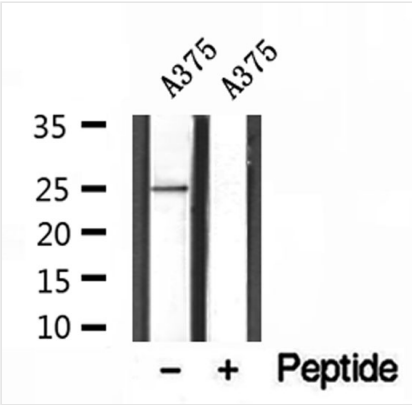
PRODUCT SYNONYMS

ALR; Polyclonal Antibody; ALR Antibody; ALR_HUMAN; Augmenter of liver regeneration; ERV1; ERV1 homolog; Erv1 like growth factor; FAD-linked sulfhydryl oxidase ALR; GFER; Growth factor augmenter of liver regeneration; Growth factor erv1 like; Hepatic regenerative stimulation substance; Hepatopoietin; Hepatopoietin protein; hERV1; HPO; HPO1; HPO2; HSS; anti-ALR antibody

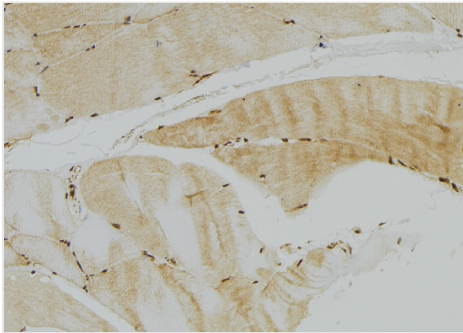
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	ALR antibody detects endogenous levels of ALR.
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	205
Applicable Applications for anti-ALR antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human ALR.
Subcellular Location	Mitochondrion Intermembrane Space and Cytoplasm. Secreted.
Tissue Specificity	Ubiquitously expressed. Highest expression in the testis and liver and low expression in the muscle.
Predicted Cross Reactivity	Pig, Zebrafish, Bovine, Horse, Dog, Chicken, Xenopus
Similarity	Pig (100%), Zebrafish (100%), Bovine (100%), Horse (100%), Dog (100%), Chicken (100%), Xenopus (91%)
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 A375 cells, using ALR antibody.



IHC (Immunohistochemistry)
AAA322936 at 1/100 staining Mouse muscle 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-ALR antibody	Function: Isoform 1: FAD-dependent sulfhydryl oxidase that regenerates the redox-active disulfide bonds in CHCHD4/MIA40, a chaperone essential for disulfide bond formation and protein folding in the mitochondrial intermembrane space. The reduced form of CHCHD4/MIA40 forms a transient intermolecular disulfide bridge with GFER/ERV1, resulting in regeneration of the essential disulfide bonds in CHCHD4/MIA40, while GFER/ERV1 becomes re-oxidized by donating electrons to cytochrome c or molecular oxygen. Subunit Structure: Homodimer; disulfide-linked. May form heterodimers of isoform 1 and isoform 2 (PubMed:12180965, PubMed:20593814, PubMed:21383138, PubMed:22224850). Interacts with CHCHD4/MIA40 (PubMed:23676665, PubMed:21383138).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	54112432
NCBI GeneID	2671
NCBI Accession #	NP_005253.3
NCBI GenBank Nucleotide #	NM_005262.2
UniProt Accession #	P55789; Q53YM6; Q8TAH6; Q9H290; Q9UK40
Molecular Weight	Observed: 23-25 kDa Predicted: 24 kDa
NCBI Official Full Name	FAD-linked sulfhydryl oxidase ALR
NCBI Official Synonym Full Names	growth factor, augmenter of liver regeneration
NCBI Official Symbol	GFER
NCBI Official Synonym Symbols	ALR; HPO; HSS; ERV1; HPO1; HPO2; HERV1
NCBI Protein Information	FAD-linked sulfhydryl oxidase ALR
UniProt Protein Name	FAD-linked sulfhydryl oxidase ALR
UniProt Gene Name	GFER
UniProt Synonym Gene Names	ALR; HERV1; HPO; hERV1

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.