

Rabbit CRLS1-Specific Polyclonal Antibody | anti-CRLS1 antibody

CRLS1-Specific Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA323197	Rabbit	Human, Mouse, Rat	Immunohistochemistry, Western Blot

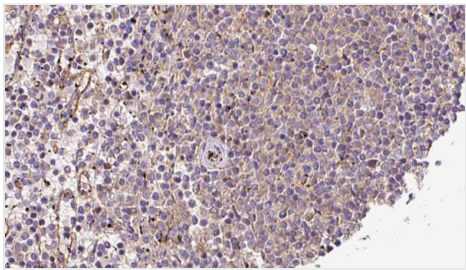
PRODUCT SYNONYMS

CRLS1-Specific; Polyclonal Antibody; CRLS1-Specific Antibody; 0610009I22Rik; 4930557M15Rik; 5730490M08; C20orf155; Cardiolipin synthase 1; Cardiolipin synthase; CLS; CLS1; CRLS1; CRLS1_HUMAN; dJ967N21.6; GCD10; OTTMUSP00000016677; Protein GCD10 homolog; RGD1311037; RP23-77H16.4; anti-CRLS1 antibody

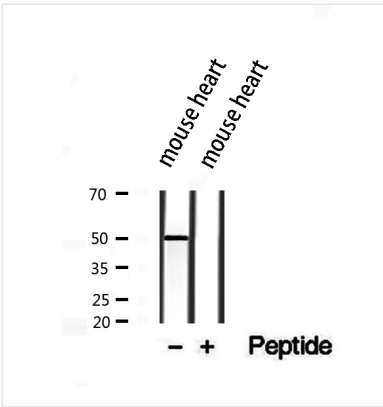
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	CRLS1-Specific antibody detects endogenous levels of CRLS1-Specific.
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	202
Applicable Applications for anti-CRLS1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human CRLS1-Specific.
Subcellular Location	Mitochondrion Inner Membrane.
Tissue Specificity	Highly expressed in tissues such as heart, skeletal muscle and liver.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog
Similarity	Pig (91%), Bovine (91%), Horse (91%), Sheep (91%), Rabbit (100%), Dog (91%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)
AAA323197 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.



WB (Western Blot)
Western blot analysis of extracts from mouse heart, using CRLS1-Specific antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-CRLS1 antibody	Function: Catalyzes the synthesis of cardiolipin (CL) (diphosphatidylglycerol) by specifically transferring a phosphatidyl group from CDP-diacylglycerol to phosphatidylglycerol (PG). CL is a key phospholipid in mitochondrial membranes and plays important roles in maintaining the functional integrity and dynamics of mitochondria under both optimal and stress conditions. Similarity: Belongs to the CDP-alcohol phosphatidyltransferase class-I family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	188536108
NCBI GeneID	54675
NCBI Accession #	NP_001120930.1
NCBI GenBank Nucleotide #	NM_001127458.1
UniProt Accession #	Q9UJA2; Q27RP0; Q69YQ5; D3DW09; E9PAT4
Molecular Weight	Observed: 50 kDa Predicted: 33 kDa
NCBI Official Full Name	cardiolipin synthase (CMP-forming) isoform 2
NCBI Official Synonym Full Names	cardiolipin synthase 1
NCBI Official Symbol	CRLS1
NCBI Official Synonym Symbols	CLS; CLS1; GCD10; C20orf155; dJ967N21.6
NCBI Protein Information	cardiolipin synthase (CMP-forming)
UniProt Protein Name	Cardiolipin synthase (CMP-forming)
UniProt Gene Name	CRLS1
UniProt Synonym Gene Names	C20orf155; CLS1; CLS

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.