

Rabbit LRPPRC Polyclonal Antibody | anti-LRPPRC antibody

LRPPRC Antibody

CATALOG # AAA323245	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

LRPPRC; Polyclonal Antibody; LRPPRC Antibody; 130 kDa leucine-rich protein; gp130; Leucine-rich PPR motif-containing protein; Leucine-rich PPR-motif containing protein; LPPRC_HUMAN; LRP 130; Irpprc; mitochondrial; anti-LRPPRC antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	LRPPRC antibody detects endogenous levels of LRPPRC.
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	1394
Applicable Applications for anti-LRPPRC antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human LRPPRC.
Subcellular Location	Mitochondrion. Nucleus, Nucleoplasm. Nucleus Inner Membrane. Nucleus Outer Membrane. Seems to be predominantly mitochondrial.
Tissue Specificity	Expressed ubiquitously. Expression is highest in heart, skeletal muscle, kidney and liver, intermediate in brain, non-mucosal colon, spleen and placenta, and lowest in small intestine, thymus, lung and peripheral blood leukocytes.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog, Xenopus
Similarity	Pig (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Xenopus (92%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)
AAA323245 at 1/100 staining Mouse lung 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 of HeLa cells, using LRPPRC antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-LRPPRC antibody	Function: May play a role in RNA metabolism in both nuclei and mitochondria. In the nucleus binds to HNRPA1-associated poly(A) mRNAs and is part of nmRNP complexes at late stages of mRNA maturation which are possibly associated with nuclear mRNA export. May bind mature mRNA in the nucleus outer membrane. In mitochondria binds to poly(A) mRNA. Plays a role in translation or stability of mitochondrially encoded cytochrome c oxidase (COX) subunits. May be involved in transcription regulation. Cooperates with PPARGC1A to regulate certain mitochondrially encoded genes and gluconeogenic genes and may regulate docking of PPARGC1A to transcription factors. Seems to be involved in the transcription regulation of the multidrug-related genes MDR1 and MVP. Part of a nuclear factor that binds to the invMED1 element of MDR1 and MVP gene promoters. Binds single-stranded DNA (By similarity). Subunit Structure: Interacts with CECR2, HEBP2, MAP1S and UXT. Interacts with PPARGC1A. Interacts with FOXO1 (By similarity). Component of mRNP complexes associated with HNRPA1.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	31621305
NCBI GeneID	10128
NCBI Accession #	NP_573566.2
NCBI GenBank Nucleotide #	NM_133259.3
UniProt Accession #	P42704; Q53PC0; Q53QN7; Q6ZUD8; Q7Z7A6; Q96D84; A0PJE3; A8K1V1
Molecular Weight	Observed: 130 kDa Predicted: 158 kDa
NCBI Official Full Name	leucine-rich PPR motif-containing protein, mitochondrial
NCBI Official Synonym Full Names	leucine rich pentatricopeptide repeat containing
NCBI Official Symbol	LRPPRC
NCBI Official Synonym Symbols	LSFC; GP130; LRP130; CLONE-23970
NCBI Protein Information	leucine-rich PPR motif-containing protein, mitochondrial
UniProt Protein Name	Leucine-rich PPR motif-containing protein, mitochondrial
UniProt Gene Name	LRPPRC
UniProt Synonym Gene Names	LRP130; LRP 130

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.