

ARG56278 anti-LRPPRC antibody

Package: 100 µl, 50 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes LRPPRC
Tested Reactivity	Hu, Ms, Rat
Tested Application	ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	LRPPRC
Species	Human
Immunogen	Recombinant protein of Human LRPPRC
Conjugation	Un-conjugated
Alternate Names	CLONE-23970; LRP 130; GP130; 130 kDa leucine-rich protein; LSFC; LRP130; Leucine-rich PPR motif-containing protein, mitochondrial

Application Instructions

Application table	Application	Dilution
	ICC/IF	1:50 - 1:100
	IHC-P	1:50 - 1:100
	WB	1:500 - 1:1000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

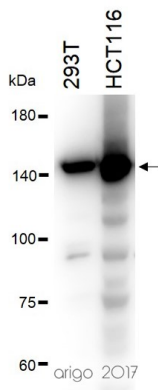
Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

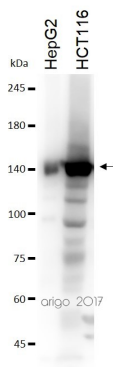
Gene Symbol	LRPPRC
Gene Full Name	leucine-rich pentatricopeptide repeat containing
Background	This gene encodes a leucine-rich protein that has multiple pentatricopeptide repeats (PPR). The precise role of this protein is unknown but studies suggest it may play a role in cytoskeletal organization, vesicular transport, or in transcriptional regulation of both nuclear and mitochondrial genes. The protein localizes primarily to mitochondria and is predicted to have an N-terminal mitochondrial targeting sequence. Mutations in this gene are associated with the French-Canadian type of Leigh syndrome. [provided by RefSeq, Mar 2012]
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). [UniProt]
Calculated Mw	158 kDa

Images



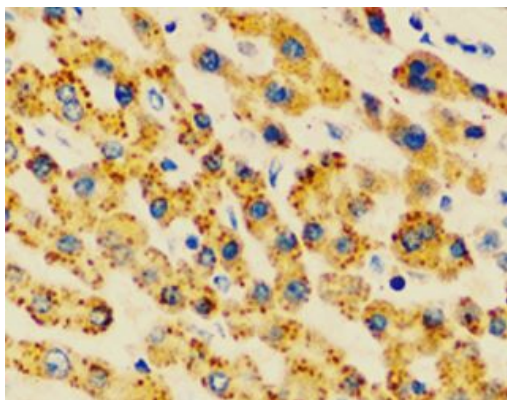
ARG56278 anti-LRPPRC antibody WB image

Western blot: 30 µg of 293T and HCT116 cell lysates stained with ARG56278 anti-LRPPRC antibody at 1:1000 dilution.



ARG56278 anti-LRPPRC antibody WB image

Western blot: 30 µg of HepG2 and HCT116 cell lysates stained with ARG56278 anti-LRPPRC antibody at 1:1000 dilution.



ARG56278 anti-LRPPRC antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human liver stained with ARG56278 anti-LRPPRC antibody at 1:100 dilution.