abcam

Product datasheet

Anti-LRPPRC/GP130 antibody ab205022

2 References 3 Images

Overview

Product name	Anti-LRPPRC/GP130 antibody
Description	Rabbit polyclonal to LRPPRC/GP130
Host species	Rabbit
Tested applications	**Suitable for:** WB, IP, IHC-P
Species reactivity	**Reacts with:** Human **Predicted to work with:** Chimpanzee
Immunogen	Synthetic peptide within Human LRPPRC/GP130 aa 1300 to the C-terminus. The exact immunogen sequence used to generate this antibody is proprietary information. If additional detail on the immunogen is needed to determine the suitability of the antibody for your needs, please **contact** our Scientific Support team to discuss your requirements. Database link: **NP_573566.2** Run BLAST with Run BLAST with
Positive control	WB: HeLa, 293T and Jurkat whole cell lysate (**ab7899**). IP: HEK293T whole cell lysate. IHC-P: Human ovarian carcinoma tissue.
General notes	The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing. If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7 Preservative: 0.09% Sodium azide Constituent: 99% Tris citrate/phosphate pH 7 to 8

Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab205022 in the following tested applications.

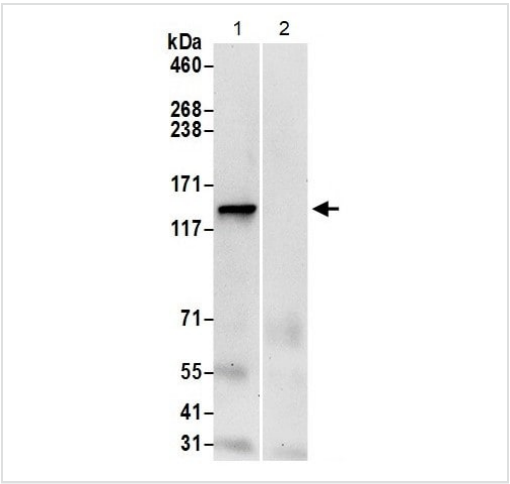
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/2000 - 1/10000. Predicted molecular weight: 158 kDa.
IP		Use at 2-10 µg/mg of lysate.
IHC-P		1/500 - 1/2000. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

Target

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.
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.
Involvement in disease	Leigh syndrome French-Canadian type
Sequence similarities	Contains 20 PPR (pentatricopeptide) repeats.
Cellular localization	Mitochondrion. Nucleus, nucleoplasm. Nucleus inner membrane. Nucleus outer membrane. Seems to be predominantly mitochondrial.

Images



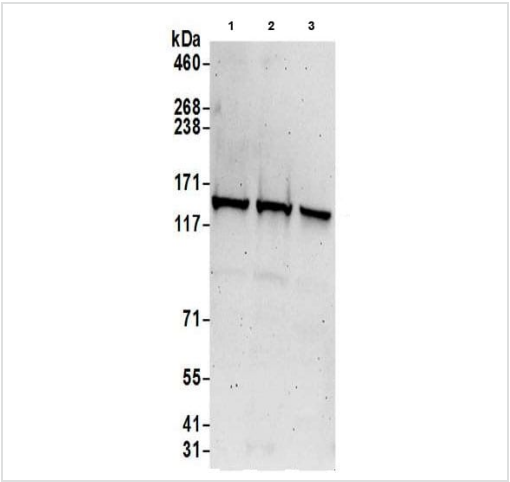
Immunoprecipitation - Anti-LRPPRC/GP130 antibody (ab205022)

Detection of human LRPPRC/GP130 by immunoprecipitation of whole cell lysate (1.0 mg per IP reaction; 20% of IP loaded) from HEK293T cells prepared using NETN lysis buffer.

Lane 1: Rabbit polyclonal to LRPPRC/GP130 (ab205022) at 6 µg/mg lysate

Lane 2: Control IgG

Detection: Chemiluminescence with an exposure time of 30 seconds. **ab70386** was used at 0.4 ug/mL for Western blot.



Western blot - Anti-LRPPRC/GP130 antibody (ab205022)

All lanes : Anti-LRPPRC/GP130 antibody (ab205022) at 0.1 µg/ml

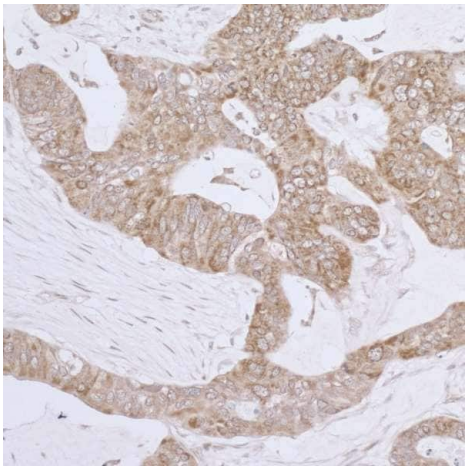
Lane 1 : HeLa whole cell lysate
Lane 2 : 293T whole cell lysate
Lane 3 : Jurkat whole cell lysate

Lysates/proteins at 50 µg per lane.

Developed using the ECL technique.

Predicted band size: 158 kDa

Exposure time: 3 minutes



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-LRPPRC/GP130 antibody (ab205022)

Immunohistochemical analysis of formalin-fixed, paraffin-embedded human ovarian carcinoma tissue labeling LRPPRC/GP130 with ab205022 at a 1/1000 dilution.

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