



Brp44L Polyclonal Antibody

Catalog No	BYab-01574
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB;IHC;IF;ELISA
Gene Name	MPC1
Protein Name	Mitochondrial pyruvate carrier 1
Immunogen	The antiserum was produced against synthesized peptide derived from human BRP44L. AA range:11-60
Specificity	Brp44L Polyclonal Antibody detects endogenous levels of Brp44L protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/20000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	MPC1; BRP44L; CGI-129; HSPC040; PNAS-115; Mitochondrial pyruvate carrier 1; Brain protein 44-like protein
Observed Band	12kD
Cell Pathway	Mitochondrion inner membrane ; Multi-pass membrane protein .
Tissue Specificity	Placenta,Promyelocytic leukemia,Skeletal muscle,Umbilical cord blood,
Function	similarity:Belongs to the UPF0041 (0-44) family.,
Background	The protein encoded by this gene is part of an MPC1/MPC2 heterodimer that is responsible for transporting pyruvate into mitochondria. The encoded protein is found in the inner mitochondrial membrane. Defects in this gene are a cause of mitochondrial pyruvate carrier deficiency. Several transcript variants, some protein coding and one non-protein coding, have been found for this gene. [provided by RefSeq, Aug 2012],

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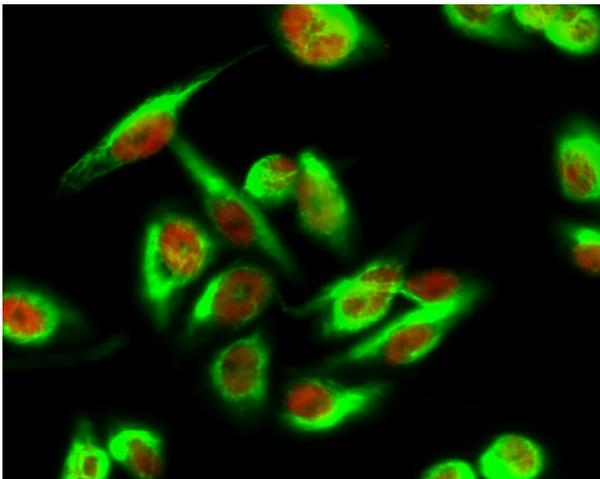
matters needing attention

Avoid repeated freezing and thawing!

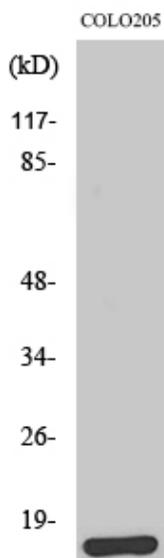
Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

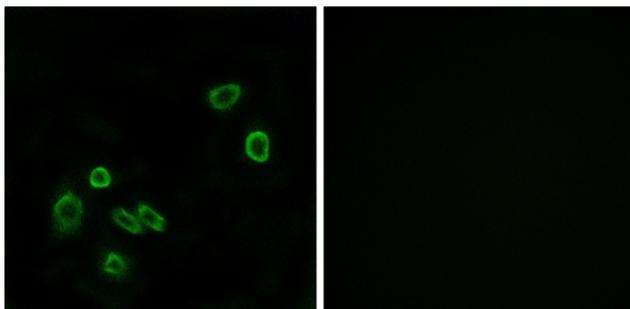
Products Images



Immunofluorescence analysis of HeLa cell. 1, Brp44L Polyclonal Antibody (green) was diluted at 1:200 (4° overnight). (red) was diluted at 1:200 (4° overnight). 2, Goat Anti Rabbit Alexa Fluor 488 Catalog: RS3211 was diluted at 1:1000 (room temperature, 50min). Goat Anti Mouse Alexa Fluor 594 Catalog: RS3608 was diluted at 1:1000 (room temperature, 50min).

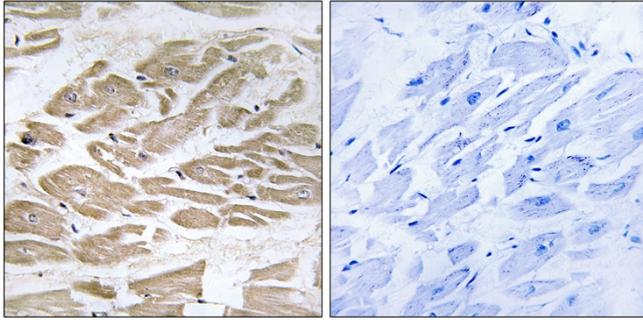


Western Blot analysis of various cells using Brp44L Polyclonal Antibody

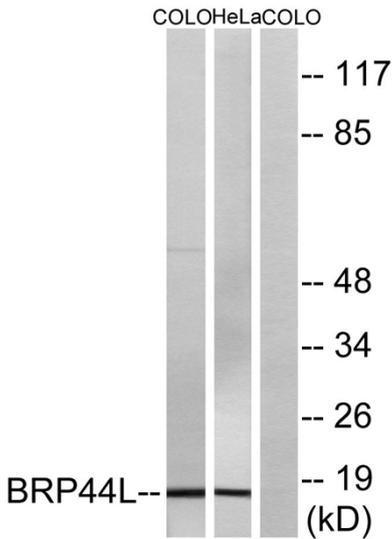


Immunofluorescence analysis of A549 cells, using BRP44L Antibody. The picture on the right is blocked with the synthesized peptide.

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Immunohistochemistry analysis of paraffin-embedded human heart tissue, using BRP44L Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from COLO and HeLa cells, using BRP44L Antibody. The lane on the right is blocked with the synthesized peptide.