10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

BRP44L Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP20857c

Product Information

Application	WB, E
Primary Accession	Q9Y5U8
Reactivity	Human
Predicted	Canine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB50812
Calculated MW	12347

Additional Information

Gene ID	51660
Other Names	Mitochondrial pyruvate carrier 1, Brain protein 44-like protein, MPC1, BRP44L
Target/Specificity	This BRP44L antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 96-129 amino acids from the C-terminal region of human BRP44L.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	BRP44L Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	MPC1
Synonyms	BRP44L
Function	Mediates the uptake of pyruvate into mitochondria to maintain the balance between glycolysis and oxidative phosphorylation (PubMed:22628558, PubMed:26253029, PubMed:27317664, PubMed:40044865,

PubMed:40101766). Plays an essential role in cellular metabolism (PubMed:40044865, PubMed:40101766).

Cellular Location Mitochondrion inner membrane; Multi-pass membrane protein

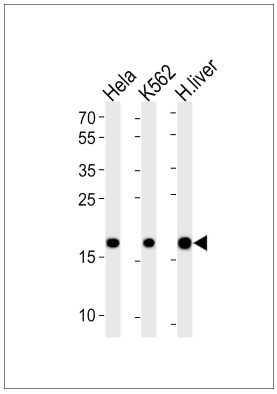
Background

Mediates the uptake of pyruvate into mitochondria.

References

Zhang Q.-H.,et al.Genome Res. 10:1546-1560(2000).
Lai C.-H.,et al.Genome Res. 10:703-713(2000).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Mungall A.J.,et al.Nature 425:805-811(2003).
Yu W.-Q.,et al.Submitted (JUN-2000) to the EMBL/GenBank/DDBJ databases.

Images



Western blot analysis of lysates from Hela, K562 cell line, human liver tissue(from left to right), using BRP44L Antibody (C-term)(Cat. #AP20857c). AP20857c was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody. Lysates at 20ug per lane.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.