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BRP44L Antibody

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP50065

Product Information

Application	WB, IF, IHC
Primary Accession	Q9Y5U8
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	polyclonal
Calculated MW	12347

Additional Information

Gene ID	51660
Other Names	Mitochondrial pyruvate carrier 1, Brain protein 44-like protein, MPC1, BRP44L
Dilution	WB~~ 1:1000 IF~~1:100 IHC~~1:50-1:100
Format	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.09% (W/V) sodium azide and 50% glycerol.
Storage Conditions	-20℃

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

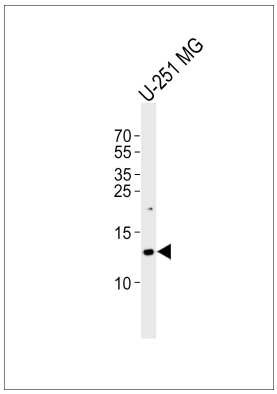
Background

Mediates the uptake of pyruvate into mitochondria.

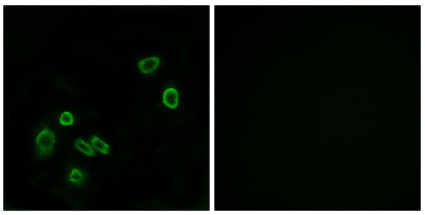
References

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.

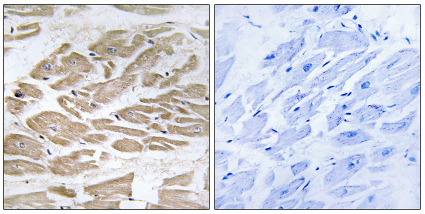
Images



Western blot analysis of lysate from U-251 MG cell line,using BRP44L Antibody(C14781). C14781 was diluted at 1:1000. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody.Lysate at 35ug.



Immunofluorescence analysis of A549 cells, using BRP44L antibody.



Immunohistochemistry analysis of paraffin-embedded human heart tissue using BRP44L antibody.

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