

# BRP44L Antibody

Purified Rabbit Polyclonal Antibody (Pab)  
Catalog # AP50065

## Product Information

---

<b>Application</b>	WB, IF, IHC
<b>Primary Accession</b>	<a href="#">Q9Y5U8</a>
<b>Reactivity</b>	Human, Mouse, Rat
<b>Host</b>	Rabbit
<b>Clonality</b>	polyclonal
<b>Calculated MW</b>	12347

## Additional Information

---

<b>Gene ID</b>	51660
<b>Other Names</b>	Mitochondrial pyruvate carrier 1, Brain protein 44-like protein, MPC1, BRP44L
<b>Dilution</b>	WB~ 1:1000 IF~1:100 IHC~1:50-1:100
<b>Format</b>	Rabbit IgG in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.09% (W/V) sodium azide and 50% glycerol.
<b>Storage Conditions</b>	-20°C

## Protein Information

---

<b>Name</b>	MPC1
<b>Synonyms</b>	BRP44L
<b>Function</b>	Mediates the uptake of pyruvate into mitochondria to maintain the balance between glycolysis and oxidative phosphorylation (PubMed: <a href="#">22628558</a> , PubMed: <a href="#">26253029</a> , PubMed: <a href="#">27317664</a> , PubMed: <a href="#">40044865</a> , PubMed: <a href="#">40101766</a> ). Plays an essential role in cellular metabolism (PubMed: <a href="#">40044865</a> , PubMed: <a href="#">40101766</a> ).
<b>Cellular Location</b>	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).

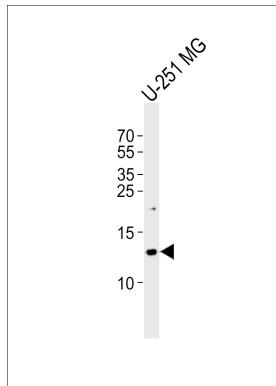
Ota T.,et al.Nat. Genet. 36:40-45(2004).

Mungall A.J.,et al.Nature 425:805-811(2003).

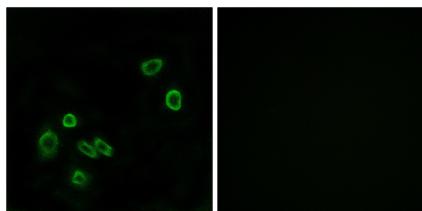
Yu W.-Q.,et al.Submitted (JUN-2000) to the EMBL/GenBank/DDBJ databases.

## Images

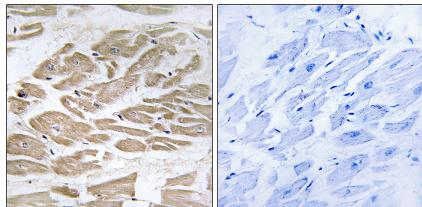
---



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.

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