

Rabbit BRP44L Polyclonal Antibody | anti-BRP44L antibody

BRP44L Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA324526	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

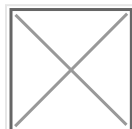
PRODUCT SYNONYMS

BRP44L; Polyclonal Antibody; BRP44L Antibody; Apoptosis regulating basic protein; Brain protein 44 like protein; CGI 129; CGI129; dJ68L15.3; HSPC040; HSPC040 protein; Mitochondrial pyruvate carrier 1; MPC1; MPYCD; PNAS 115; PNAS115; pyruvate carrier; Mitochondrial; 1; anti-BRP44L antibody

PRODUCT SPECIFICATIONS

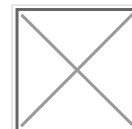
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	BRP44L antibody detects endogenous levels of total BRP44L
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	109
Applicable Applications for anti-BRP44L antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Mitochondrion (inner membrane)
Predicted Cross Reactivity	Pig, Zebrafish, Bovine, Horse, Sheep, Chicken, Xenopus
Similarity	Pig (100%), Zebrafish (80%), Bovine (100%), Horse (100%), Sheep (100%), Chicken (100%), Xenopus (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of extracts from COLO cells using BRP44L antibody.



IHC (Immunohistochemistry)

AAA324526 at 1/100 staining Mouse liver tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



IF (Immunofluorescence)

AAA324526 staining COLO205 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-BRP44L antibody	Function: Mediates the uptake of pyruvate into mitochondria. Subunit Structure: The functional 150 kDa pyruvate import complex is a heteromer of MPC1 and MPC2. Similarity: Belongs to the mitochondrial pyruvate carrier (MPC) (TC 2.A.105) family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	7706369
NCBI GeneID	51660
NCBI Accession #	NP_057182.1
NCBI GenBank Nucleotide #	NM_016098.3
UniProt Accession #	Q9Y5U8; Q5TI66; Q9HB67; Q9UQN4; B2R5I7
Molecular Weight	Observed: 12 kD Predicted: 13 kDa
NCBI Official Full Name	mitochondrial pyruvate carrier 1 isoform 1
NCBI Official Synonym Full Names	mitochondrial pyruvate carrier 1
NCBI Official Symbol	MPC1
NCBI Official Synonym Symbols	MPYCD; BRP44L; CGI-129; SLC54A1
NCBI Protein Information	mitochondrial pyruvate carrier 1
UniProt Protein Name	Mitochondrial pyruvate carrier 1
UniProt Gene Name	MPC1
UniProt Synonym Gene Names	BRP44L

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/brp44l-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/324526>