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MPV17 Antibody - C-terminal region

Rabbit Polyclonal Antibody
Catalog # AI16090

Product Information

Application	WB
Primary Accession	P39210
Other Accession	XP_005264383
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	19733

Additional Information

Gene ID	4358
Alias Symbol	MPV17,
Other Names	Protein Mpv17, MPV17
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 &mu, l of distilled water. Final Anti-MPV17 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at -20°C. Avoid repeat freeze-thaw cycles.
Precautions	MPV17 Antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	MPV17 (HGNC:7224)
Function	Non-selective channel that modulates the membrane potential under normal conditions and oxidative stress, and is involved in mitochondrial homeostasis (PubMed:25861990). Involved in mitochondrial deoxynucleoside triphosphates (dNTP) pool homeostasis and mitochondrial DNA (mtDNA) maintenance (PubMed:26760297). May be involved in the regulation of reactive oxygen species metabolism and the control of oxidative phosphorylation (By similarity).
Cellular Location	Mitochondrion inner membrane; Multi-pass membrane protein
Tissue Location	Ubiquitous. Expressed in pancreas, kidney, muscle, liver, lung, placenta, brain and heart.

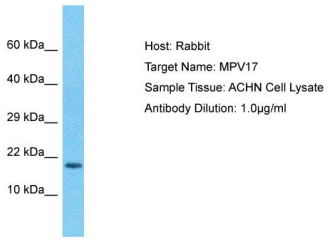
Background

Involved in mitochondria homeostasis. May be involved in the metabolism of reactive oxygen species and control of oxidative phosphorylation and mitochondrial DNA (mtDNA) maintenance.

References

Karasawa M.,et al.Hum. Mol. Genet. 2:1829-1834(1993).
Weiher H.,et al.Adv. Nephrol. Necker Hosp. 22:37-42(1993).
Wang W.,et al.Nucleic Acids Res. 39:44-58(2011).
Hillier L.W.,et al.Nature 434:724-731(2005).
Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.

Images



Host: Rabbit
Target Name: MPV17
Sample Tissue: ACHN Whole cell lysate
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Antibody Dilution: 1.0µg/ml

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