

MPV17 Antibody - C-terminal region

Rabbit Polyclonal Antibody

Catalog # AI16090

Product Information

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|-------------------|------------------------------|
| 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 Other Names | MPV17, 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 µl 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

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|-------------------|--|
| 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. |

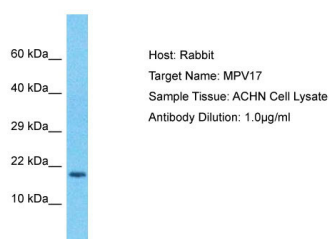
Background

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'.