

MPV17 Antibody (internal region)
Peptide-affinity purified goat antibody
Catalog # AF3357a**Specification**

MPV17 Antibody (internal region) - Product Information

Application	WB, IHC, E
Primary Accession	P39210
Other Accession	NP_002428.1 , 4358 , 17527 (mouse) , 360463 (rat)
Reactivity	Human
Predicted	Mouse, Rat, Dog
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	19733

MPV17 Antibody (internal region) - Additional Information**Gene ID** 4358**Other Names**

Protein Mpv17, MPV17

Dilution

WB~~1:1000

IHC~~1:100~500

E~~N/A

Format

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

MPV17 Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

MPV17 Antibody (internal region) - 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.

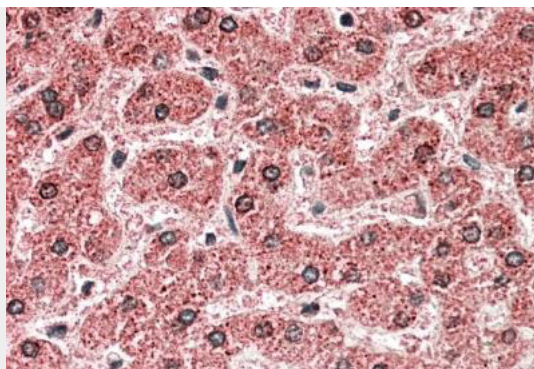
MPV17 Antibody (internal region) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

MPV17 Antibody (internal region) - Images

AF3357a (2 µg/ml) staining of Human Frontal Cortex lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



AF3357a (5 µg/ml) staining of paraffin embedded Human Liver. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.

MPV17 Antibody (internal region) - References

MPV17-associated hepatocerebral mitochondrial DNA depletion syndrome: new patients and novel mutations. El-Hattab AW, Li FY, Schmitt E, Zhang S, Craigen WJ, Wong LJ, Molecular genetics and metabolism 2010 Mar 99 (3): 300-8. PMID: 20074988