

ARG42225 anti-MPV17 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes MPV17
Tested Reactivity	Hu
Predict Reactivity	Ms, Rat, Cow, Dog
Tested Application	IHC-P, WB
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	MPV17
Species	Human
Immunogen	Synthetic peptide around the internal region of Human MPV17. (C-QRALAHPWKVQ) (NP_002428.1)
Conjugation	Un-conjugated
Alternate Names	SYM1; Protein Mpv17; MTDPS6

Application Instructions

Application table	Application	Dilution
	IHC-P	5 - 10 µg/ml
	WB	1 - 3 µg/ml
Application Note	IHC-P: Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). WB: Recommend incubate at RT for 1h. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	Human frontal cortex	
Observed Size	~ 19 kDa	

Properties

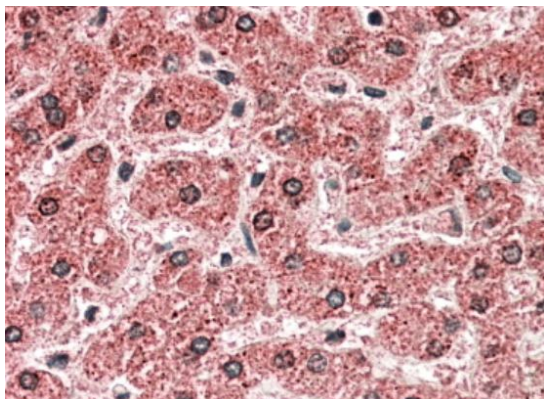
Form	Liquid
Purification	Affinity purified
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml

Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

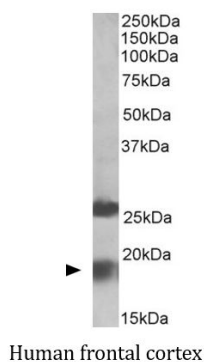
Gene Symbol	MPV17
Gene Full Name	MpV17 mitochondrial inner membrane protein
Background	This gene encodes a mitochondrial inner membrane protein that is implicated in the metabolism of reactive oxygen species. Mutations in this gene have been associated with the hepatocerebral form of mitochondrial DNA depletion syndrome (MDDS). [provided by RefSeq, Jul 2008]
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). [UniProt]
Calculated Mw	20 kDa
Cellular Localization	Mitochondrion inner membrane; Multi-pass membrane protein. [UniProt]

Images



ARG42225 anti-MPV17 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human liver tissue. Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). The tissue section was stained with ARG42225 anti-MPV17 antibody at 5 µg/ml dilution followed by AP-staining.



ARG42225 anti-MPV17 antibody WB image

Western blot: 35 µg of Human frontal cortex lysate (in RIPA buffer) stained with ARG42225 anti-MPV17 antibody at 2 µg/ml dilution and incubated at RT for 1 hour.