

MPV17L Rabbit pAb

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Catalog # AP56814

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q2QL34
Predicted	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	22116
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human MPV17L
Epitope Specificity	101-160/196
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Isoform 1: Peroxisome membrane; Multi-pass membrane protein.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	MPV17L is a 196 amino acid multi-pass membrane protein belonging to the peroxisomal membrane protein PXMP2/4 family. M-LPS (also known as M-LPH1) and M-LPL (also known as M-LPH2) are alternatively spliced isoforms of MPV17L and are ubiquitously expressed in human tissues, however only M-LPS exists at the protein level and mainly resides in kidney. MPV17L may be involved in protecting against mitochondrial oxidative stress and apoptosis, and participates in reactive oxygen species (ROS) metabolism by up- or down-regulating genes of antioxidant enzymes. MPV17L may play a role in the development of early-onset glomerulosclerosis, which is the hardening or formation of scar tissue of the glomerulus in the kidney. The gene encoding MPV17L maps to human chromosome 16p13.11.

Additional Information

Gene ID	255027
Other Names	Mpv17-like protein, M-LP homolog, M-LPH, MPV17L
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	MPV17L
Function	[Isoform 1]: Participates in reactive oxygen species metabolism by up- or down-regulation of the genes of antioxidant enzymes (PubMed: 16631601). Protective against the mitochondrial apoptotic cascade (PubMed: 22306510).
Cellular Location	[Isoform 1]: Peroxisome membrane; Multi-pass membrane protein
Tissue Location	Isoform 1 is detected in the kidney (at protein level). Isoform 1 and isoform 2 are expressed in the kidney, heart, liver, lung, pancreas and skeletal muscle

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