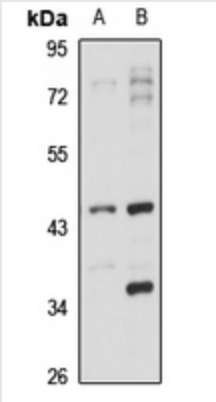
MVD Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	MVD, Polyclonal Antibody
Full Product Name	Anti-MVD Antibody
Product Gene Name	anti-MVD antibody
Product Synonym Names	MPD; Diphosphomevalonate decarboxylase; Mevalonate (diphospho)decarboxylase; MDDase; Mevalonate pyrophosphate decarboxylase
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Liquid in 0.42% Potassium Phosphate, 0.87% Sodium Chloride, pH 7.3, 30% Glycerol, and 0.01% Sodium Azide.
Purity/Purification	Purified by Immunogen Affinity Chromatography
Specificity	Recognizes endogenous levels of MVD protein.
Preparation and Storage	Upon delivery aliquot and store at -20 degree C for one year. Avoid freeze/thaw cycles.
Molecular Weight	43,405 Da
OMIM	603236
3D Structure	ModBase 3D Structure for P53602
Immunogen	Recombinant fusion protein of human MVD. The exact sequence is proprietary.
Applications Tested/Suitable for anti-MVD antibody	Western Blot (WB)
Application Notes for anti-MVD antibody	WB: 1:500-1:2000
Related Product Information for anti-MVD antibody	MBS8307352 is an antibody targeting MVD. Reactive in Human, Mouse. Host: Rabbit. Rabbit polyclonal antibody to MVD
Other Notes	Small volumes of anti-MVD antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Western Blot (WB) of anti-MVD antibody
Western blot analysis of MVD expression in A549 (A), LO2 (B) whole cell lysates.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for MVD. It may not necessarily be applicable to this product.

NCBI GI #	4505289
NCBI GeneID	4597
NCBI Accession #	NP_002452.1
UniProt Primary Accession #	P53602
UniProt Secondary Accession #	Q99JF5
UniProt Related Accession #	P53602
GenBank Nucleotide #	NM_002461.2
NCBI Official Full Name	diphosphomevalonate decarboxylase
NCBI Official Synonym Full Names	mevalonate (diphospho) decarboxylase
NCBI Official Symbol	MVD
NCBI Official Synonym Symbols	MPD; MDDase; FP17780
UniProt Protein Name	Diphosphomevalonate decarboxylase
UniProt Synonym Protein Names	Mevalonate (diphospho)decarboxylase; MDDase; Mevalonate pyrophosphate decarboxylase
UniProt Gene Name	MVD
UniProt Synonym Gene Names	MPD; MDDase
UniProt Entry Name	MVD1_HUMAN
NCBI Protein Information	diphosphomevalonate decarboxylase; mevalonate pyrophosphate decarboxylase
NCBI Summary for MVD	The enzyme mevalonate pyrophosphate decarboxylase catalyzes the conversion of mevalonate pyrophosphate into isopentenyl pyrophosphate in one of the early steps in cholesterol biosynthesis. It decarboxylates and dehydrates its substrate while hydrolyzing ATP. [provided by RefSeq, Jul 2008]

UniProt Comments for MVD	MVD: Performs the first committed step in the biosynthesis of isoprenes. Belongs to the diphosphomevalonate decarboxylase family. Protein type: Lyase; Secondary Metabolites Metabolism - terpenoid backbone biosynthesis; EC 4.1.1.33 Chromosomal Location of Human Ortholog: 16q24.3 Cellular Component: peroxisome; cytosol Molecular Function: diphosphomevalonate decarboxylase activity; protein homodimerization activity; Hsp70 protein binding; ATP binding Biological Process: cellular protein metabolic process; isoprenoid biosynthetic process; isopentenyl diphosphate biosynthetic process, mevalonate pathway; dolichol-linked oligosaccharide biosynthetic process; positive regulation of cell proliferation; dolichyl diphosphate biosynthetic process; protein amino acid N-linked glycosylation via asparagine; post-translational protein modification; cholesterol biosynthetic process
Research Articles on MVD	**1.** Observational study of gene-disease association, gene-environment interaction, and pharmacogenomic / toxicogenomic. (HuGE Navigator)
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