10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

MVD Antibody

Rabbit mAb
Catalog # AP92704

Product Information

Application	WB
Primary Accession	P53602
Reactivity	Human
Clonality	Monoclonal
Other Names	MDDase; MPD; Mvd;
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	43405

Additional Information

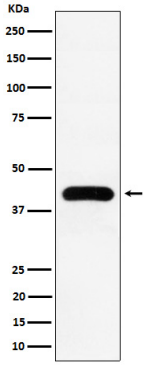
Dilution	WB 1:500~1:2000
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human MVD
Description	Performs the first committed step in the biosynthesis of isoprenes.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Protein Information

Name	MVD
Synonyms	MPD {ECO:0000303|PubMed:14972328}
Function	Catalyzes the ATP dependent decarboxylation of (R)-5-diphosphomevalonate to form isopentenyl diphosphate (IPP). Functions in the mevalonate (MVA) pathway leading to isopentenyl diphosphate (IPP), a key precursor for the biosynthesis of isoprenoids and sterol synthesis.
Cellular Location	Cytoplasm.
Tissue Location	Expressed in heart, skeletal muscle, lung, liver, brain, pancreas, kidney and placenta.

Images

Western blot analysis of MVD expression in K562 cell lysate.



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