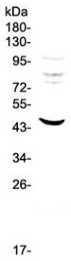
MVD Antibody / Mevalonate pyrophosphate decarboxylase (RQ4089)

Catalog No.	Formulation	Size
RQ4089	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	P53602
Applications	Western Blot: 0.5-1ug/ml
Limitations	This MVD antibody is available for research use only.



Western blot testing of human HepG2 cell lysate with MVD antibody at 0.5ug/ml. Predicted molecular weight ~43 kDa.

Description

The enzyme mevalonate pyrophosphate decarboxylase (MVD; EC 4.1.1.33) catalyzes the conversion of mevalonate pyrophosphate into isopentenyl pyrophosphate. This unusual enzyme decarboxylates and dehydrates its substrate while hydrolyzing ATP. As a unique enzyme in one of the early steps in cholesterol biosynthesis, MVD may be a useful target for drugs aimed at lowering serum cholesterol levels. This gene is mapped to chromosome 16q24.3 based on an alignment of the MVDsequence.

Application Notes

Optimal dilution of the MVD antibody should be determined by the researcher.

Immunogen

Amino acids KDFTEDRIWLNGREEDVGQPRLQACLREIRCLARKRR from the human protein were used as the immunogen for the MVD antibody.

Storage

After reconstitution, the MVD antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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