

For Research Use Only

MVK Polyclonal antibody

Catalog Number: 12228-1-AP **4 Publications**



Basic Information

Catalog Number: 12228-1-AP	GenBank Accession Number: BC016140	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 500 µg/ml by Nanodrop and 333 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 4598	Recommended Dilutions: WB 1:1000-1:4000 IF 1:10-1:100
Source: Rabbit	Full Name: mevalonate kinase	
Isotype: IgG	Calculated MW: 396 aa, 42 kDa	
Immunogen Catalog Number: AG2865	Observed MW: 42 kDa	

Applications

Tested Applications: IF, WB, ELISA	Positive Controls: WB : Caco-2 cells, PC-3 cells, mouse uterus tissue, Jurkat cells, HepG2 cells IF : PC-3 cells,
Cited Applications: WB	
Species Specificity: human, mouse, rat	
Cited Species: human, mouse	

Background Information

MVK (Mevalonate kinase) is a 42 kDa cytoplasmic protein that belongs to the GHMP kinase family. Mevalonate kinase catalyzes the ATP-dependent phosphorylation of mevalonic acid to form mevalonate 5-phosphate. Defects in mevalonate kinase can cause mevalonic aciduria (MEVA). It is an accumulation of mevalonic acid which causes a variety of symptoms such as psychomotor retardation, dysmorphic features, cataracts, hepatosplenomegaly, lymphadenopathy, anemia, hypotonia, myopathy and ataxia.

Notable Publications

Author	Pubmed ID	Journal	Application
Audrey Basque	36279966	Toxicol In Vitro	WB
Min Li	32256770	Exp Ther Med	WB
Audrey Basque	35723385	Curr Issues Mol Biol	WB

Storage

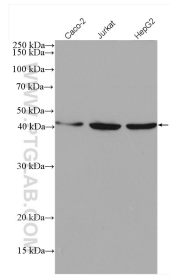
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

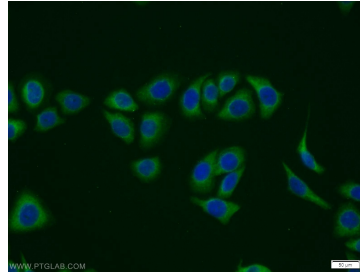
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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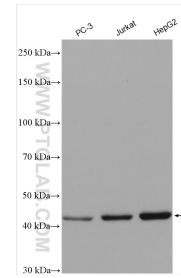
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 12228-1-AP (MVK antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of PC-3 cells using 12228-1-AP (MVK antibody) at dilution of 1:25 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



PC-3 cells were subjected to SDS PAGE followed by western blot with 12228-1-AP (MVK antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours.