

产品名称: MVK Rabbit Polyclonal Antibody
产品货号: APRab14250



产品概述 (Summary)

产品名称 (Production Name)	MVK Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,IHC,ICC/IF,ELISA
种属反应性 (Reactivity)	Human,Monkey

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Polyclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	MVK
别名 (Alternative Names)	MVK; Mevalonate kinase; MK
基因 ID (Gene ID)	4598.0
蛋白 ID (SwissProt ID)	Q03426.The antiserum was produced against synthesized peptide derived from human Mevalonate Kinase. AA range:151-200

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:200-1:1000,ELISA 1:5000-1:20000
蛋白分子量 (Molecular Weight)	42kDa

研究背景 (Background)

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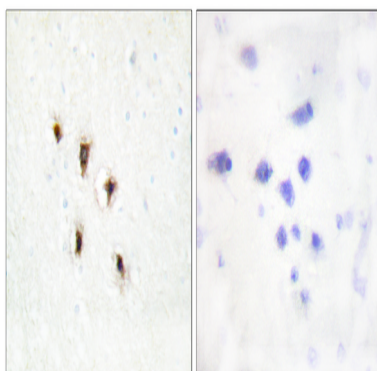


This gene encodes the peroxisomal enzyme mevalonate kinase. Mevalonate is a key intermediate, and mevalonate kinase a key early enzyme, in isoprenoid and sterol synthesis. Mevalonate kinase deficiency caused by mutation of this gene results in mevalonic aciduria, a disease characterized psychomotor retardation, failure to thrive, hepatosplenomegaly, anemia and recurrent febrile crises. Defects in this gene also cause hyperimmunoglobulinaemia D and periodic fever syndrome, a disorder characterized by recurrent episodes of fever associated with lymphadenopathy, arthralgia, gastrointestinal dismay and skin rash. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2014],catalytic activity:ATP + (R)-mevalonate = ADP + (R)-5-phosphomevalonate.,disease:Defects in MVK are the cause of hyperimmunoglobulinemia D and periodic fever syndrome (HIDS) [MIM:260920]. HIDS is an autosomal recessive disease characterized by recurrent episodes of unexplained high fever associated with skin rash, diarrhea, adenopathy (swollen, tender lymph nodes), athralgias and/or arthritis. Concentration of IgD, and often IgA, are above normal.,disease:Defects in MVK are the cause of mevalonic aciduria [MIM:610377]. 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.,enzyme regulation:Farnesyl- and geranyl-pyrophosphates are competitive inhibitors.,function:May be a regulatory site in cholesterol biosynthetic pathway.,online information:Repertory of FMF and hereditary autoinflammatory disorders mutations,pathway:Isoprenoid biosynthesis; isopentenyl-PP biosynthesis via mevalonic acid pathway; isopentenyl-PP from (R)-mevalonic acid: step 1/3.,similarity:Belongs to the GHMP kinase family.,similarity:Belongs to the GHMP kinase family. Mevalonate kinase subfamily.,subunit:Homodimer.,

研究领域 (Research Area)

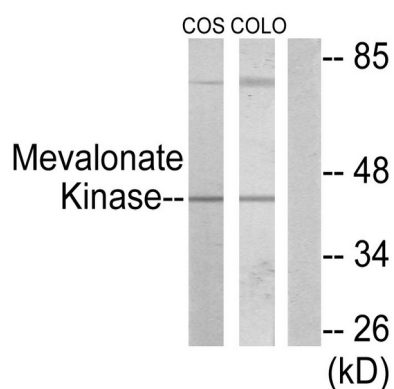
Terpenoid backbone biosynthesis;

图片 (Image Data)

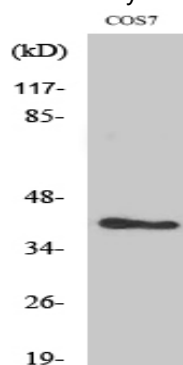


Immunohistochemistry analysis of paraffin-embedded human brain tissue, using Mevalonate Kinase Antibody. The picture on the right is blocked with the synthesized peptide.

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Western blot analysis of lysates from COS7 and COLO205 cells, using Mevalonate Kinase Antibody. The lane on the right is blocked with the synthesized peptide.



Western Blot analysis of various cells using MVK Polyclonal Antibody

注意事项 (Note)

For research use only .