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Produktinformation



Forschungsprodukte & Biochemikalien



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Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Product Number	ARP56110_P050-Biotin
Product Page	www.avivasysbio.com/mvk-antibody-middle-region-biotin-arp56110-p050-biotin.html
Name	MVK Antibody - middle region : Biotin (ARP56110_P050-Biotin)
Protein Size (# AA)	396 amino acids
Molecular Weight	42kDa
Conjugation	Biotin
NCBI Gene Id	4598
Host	Rabbit
Clonality	Polyclonal
Concentration	0.5 mg/ml
Gene Full Name	Mevalonate kinase
Alias Symbols	MK, LRBP, MVLK, POROK3
Peptide Sequence	Synthetic peptide located within the following region: KEDLELINKWAFQGERMIHGNPSGVDNAVSTWGGALRYHQGKISSLKRSP
Product Format	Liquid. Purified antibody supplied in 1x PBS buffer.
Reference	Gattorno,M., (2008) (er) Arthritis Rheum. 58 (6), 1823-1832
Description of Target	MVK is 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. 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. Two transcript variants that encode the same protein have been found for this gene.
Protein Interactions	MVK; PPP1CB; GSS; MAT1A; POT1; TERF1; UBC; EWSR1;
Reconstitution and Storage	All conjugated antibodies should be stored in light-protected vials or covered with a light protecting material (i.e. aluminum foil). Conjugated antibodies are stable for at least 12 months at 4C. If longer storage is desired (24 months), conjugates may be diluted with up to 50% glycerol and stored at -20C to -80C. Freezing and thawing conjugated antibodies will compromise enzyme activity as well as antibody binding.
Datasheets/Manuals	Printable datasheet for anti-MVK (ARP56110_P050-Biotin) antibody
Blocking Peptide	For anti-MVK (ARP56110_P050-Biotin) antibody is Catalog # AAP56110 (Previous Catalog # AAPP38015)
Immunogen	The immunogen is a synthetic peptide directed towards the middle region of human MVK
Uniprot ID	Q03426
Protein Name	Mevalonate kinase
Protein Accession #	NP_000422
Purification	Affinity Purified
Nucleotide Accession #	NM_000431
Gene Symbol	MVK
Predicted Species Reactivity	Human, Mouse, Rat, Cow, Dog, Goat, Guinea Pig, Horse, Pig, Rabbit, Yeast, Zebrafish

Application	WB
Predicted Homology Based on Immunogen Sequence	Cow: 100%; Dog: 86%; Goat: 86%; Guinea Pig: 93%; Horse: 93%; Human: 100%; Mouse: 100%; Pig: 100%; Rabbit: 100%; Rat: 100%; Yeast: 93%; Zebrafish: 93%
Image 1	 A schematic diagram of a Y-shaped antibody molecule. It consists of two heavy chains (inner lines) and two light chains (outer lines) joined at their C-termini. The N-termini of the light chains are extended outwards, forming the two antigen-binding arms of the antibody.

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