

**ARG44709**  
**anti-MVK antibody**Package: 50 µg  
Store at: -20°C**Summary**

Product Description	Mouse Monoclonal antibody recognizes MVK.
Tested Reactivity	Hu
Tested Application	IP, WB
Host	Mouse
Clonality	Monoclonal
Isotype	IgG2b
Target Name	MVK
Species	Human
Conjugation	Un-conjugated
Alternate Names	Mevalonate kinase; EC 2.7.1.36; POROK3; MK; MVLK; LRBP

**Application Instructions**

Application table	Application	Dilution
	IP	10 µg/mL
	WB	1 µg/mL
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

**Properties**

Form	Liquid
Purification	Protein A purification
Buffer	PBS with 0.09% sodium azide
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

**Bioinformation**

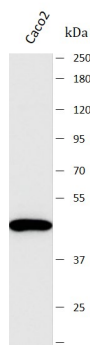
Gene Symbol	MVK
Gene Full Name	mevalonate kinase
Background	This gene encodes the peroxisomal enzyme mevalonate kinase. Mevalonate is a key intermediate, and

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]

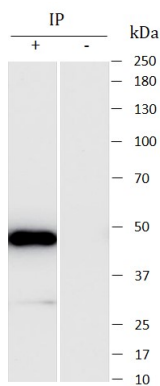
Function	May be a regulatory site in cholesterol biosynthetic pathway. [UniProt]
PTM	N-glycosylation enhances cell surface expression and lengthens receptor half-life by preventing degradation in the ER.
Cellular Localization	Cytoplasm. Peroxisome. [UniProt]

## Images

ARG44709 anti-MVK antibody WB image



Western blot: Caco2 stained with ARG44709 anti-MVK antibody at 1  $\mu\text{g/mL}$  dilution.



ARG44709 anti-MVK antibody IP image

Immunoprecipitation: Caco2 lysate immunoprecipitated with 2.5  $\mu\text{g}$  of ARG44709 anti-MVK antibody.