

## ARG66555 anti-MVK antibody

Package: 100 µl  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes MVK
Tested Reactivity	Hu, Mk
Tested Application	ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	MVK
Species	Human
Immunogen	KLH-conjugated synthetic peptide encompassing a sequence within the center region of Human MVK.
Conjugation	Un-conjugated
Alternate Names	Mevalonate kinase; EC 2.7.1.36; POROK3; MK; MVLK; LRBP

### Application Instructions

Application table	Application	Dilution
	ICC/IF	1:100 - 1:500
	IHC-P	1:100 - 1:200
	WB	1:500 - 1:1000
Application Note	IHC-P: Antigen Retrieval: Heat mediation was performed in Sodium citrate buffer (pH 6.0). * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Observed Size	42 kDa	

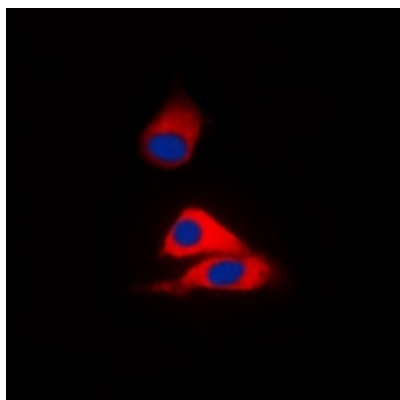
### Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 0.2% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.2% BSA
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.

## Bioinformation

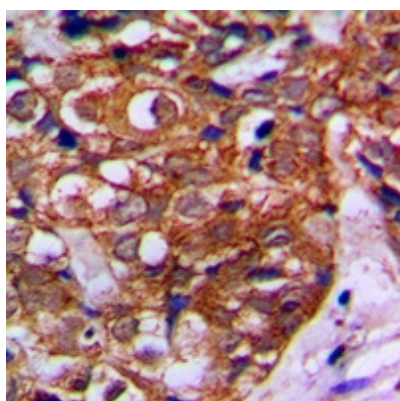
Gene Symbol	MVK
Gene Full Name	mevalonate kinase
Background	This gene encodes the peroxisomal enzyme mevalonate kinase. Mevalonate is a key intermediate, and mevalonate kinase a key early enzyme, in isoprenoid and sterol synthesis. Mevalonate kinase deficiency caused by mutation of this gene results 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]
Calculated Mw	42 kDa
Cellular Localization	Cytoplasm. Peroxisome. [UniProt]

## Images



ARG66555 anti-MVK antibody ICC/IF image

Immunofluorescence: Formalin-fixed HepG2 cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were stained with ARG66555 anti-MVK antibody (red) in 3% BSA-PBS and incubated overnight at 4°C in a humidified chamber. DAPI was used to stain the cell nuclei (blue).



ARG66555 anti-MVK antibody IHC-P image

Immunohistochemistry: Formalin-fixed and paraffin-embedded Human breast cancer tissue. Antigen Retrieval: Heat mediation was performed in Sodium citrate buffer (pH 6.0). The section was then stained with ARG66555 anti-MVK antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

#### ARG66555 anti-MVK antibody WB image

Western blot: Raji, HepG2 and COS7 whole cell lysates stained with ARG66555 anti-MVK antibody.

