

## Product datasheet for **TA350193**

### MVK Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 200-1000 WB positive control: Raji cells IHC: 100-300 Positive control: Human thyroid cancer Predicted cell location: Cytoplasm
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Fusion protein of human MVK
Formulation:	pH7.4 PBS, 0.05% NaN <sub>3</sub> , 40% Glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	42 kDa
Gene Name:	mevalonate kinase
Database Link:	<a href="#">NP_000422</a> <a href="#">Entrez Gene 17855 Mouse</a> <a href="#">Entrez Gene 81727 Rat</a> <a href="#">Entrez Gene 4598 Human</a> <a href="#">Q03426</a>



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**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.

**Synonyms:**

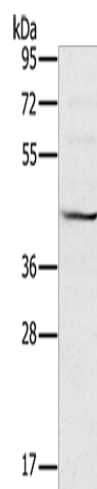
LRBP; MK; MVLK; POROK3

**Protein Families:**

Druggable Genome

**Protein Pathways:**

Metabolic pathways, Terpenoid backbone biosynthesis

**Product images:**

Gel: 8%SDS-PAGE

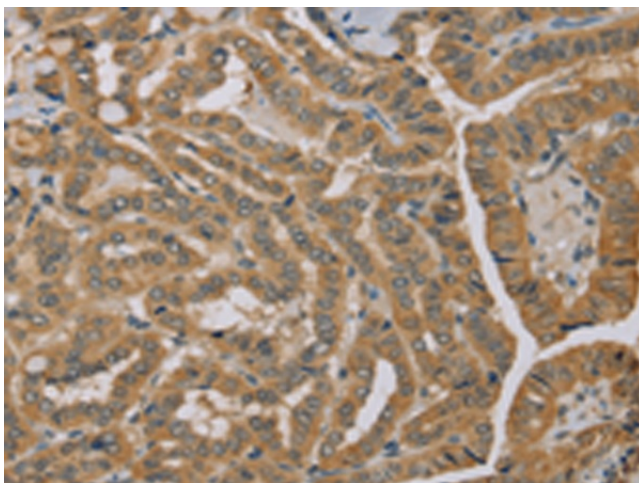
Lysate: 40 µg

Lane: Raji cells

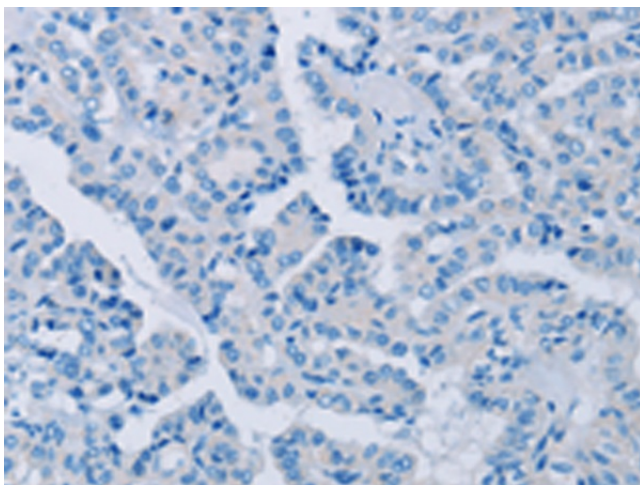
Primary antibody: TA350193 (MVK Antibody) at dilution 1/550

Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution

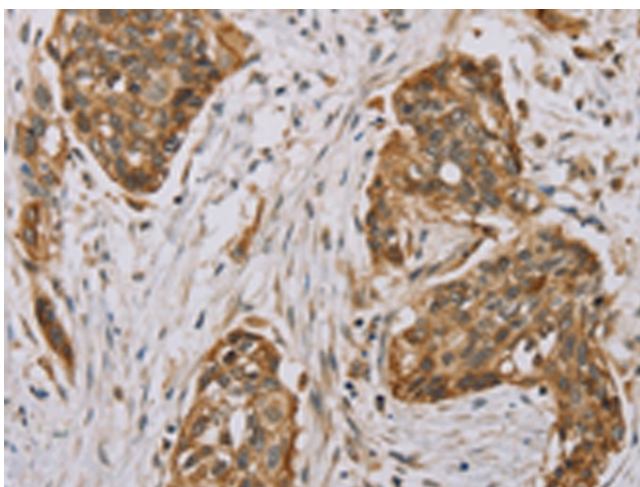
Exposure time: 2 seconds



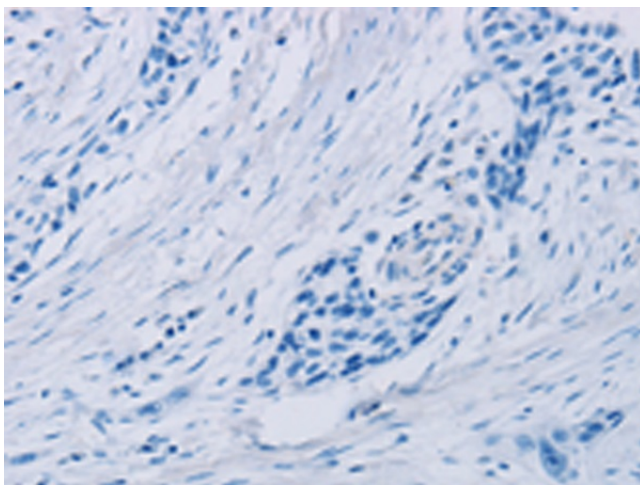
Immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using TA350193 (MVK Antibody) at dilution 1/40 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using TA350193 (MVK Antibody) at dilution 1/40, treated with fusion protein. (Original magnification:  $\times 200$ )



Immunohistochemistry of paraffin-embedded Human esophagus cancer tissue using TA350193 (MVK Antibody) at dilution 1/40 (Original magnification:  $\times 200$ )



Immunohistochemistry of paraffin-embedded Human esophagus cancer tissue using TA350193 (MVK Antibody) at dilution 1/40, treated with fusion protein. (Original magnification:  $\times 200$ )