Product datasheet for TA336354

TIM 1 (HAVCR1) Rabbit Polyclonal Antibody

Product data:

Product Type: Primary Antibodies
Applications: WB
Recommend Dilution: WB: 1-3 ug/ml
Reactivity: Human, Mouse
Host: Rabbit
Clonality: Polyclonal
Immunogen: A synthetic peptide (SPLYSYTTDGNDTVT) of human TIM-1 protein was used as immunogen for this antibody. This sequence corresponds to amino acids (aa) 248-262 of NP_036338 and aa 84-98 of EAW61615.1. Isoforms of TIM-1 have been described. For example, NP_036
Formulation: PBS containing 0.05% BSA, 0.05% Sodium Azide. Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Concentration: lot specific
Purification: Protein G purified
Storage: Store at -20°C as received.
Stability: Stable for 12 months from date of receipt.
Gene Name: hepatitis A virus cellular receptor 1
Database Link: NP_036338 Entrez Gene 171283 MouseEntrez Gene 26762 Human
Background: Official Gene Symbol HAVCR1 Gene ID 26762(Human) Gene Map Locus 5q33.2(Human) HAVCR1, a 359 A.A Class 1 integral membrane glycoprotein, is used by Hepatitis A virus to infect humans. It consists of a conserved N-terminal Cys-rich region, IgV (Immunoglobulin Variable region like) domain and a TSP-rich mucin domain in the extracellular region followed by a highly conserved tyrosine kinase phosphorylation motif in the cytoplasmic region. HAVCR1 is expressed on terminally differentiated CD4+ Th2 cells and regulates cytokine production. It plays an important role in the regulation of immune responses in the development of asthma and allergic responses. Its expression is critically upregulated in dedifferentiated kidney cells, thus indicating a possible role in regeneration of proximal tubule epithelium in Kidneys. HAVCR1 has shown to be upregulated in renal carcinomas, suggesting its role in tumor progression and metastasis.
Synonyms: HAVCR; HAVCR-1; KIM-1; KIM1; TIM; TIM-1; TIM1; TIMD-1; TIMD1

This product is to be used for laboratory only. Not for diagnostic or therapeutic use.
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Protein Families: Druggable Genome, Transmembrane

Product images:

Western Blot: TIM-1 Antibody TA336354 - Analysis of TIM-1 in human brain lysate in the A) absence and B) presence of immunizing peptide, and C) mouse brain lysate using TIM-1 antibody at 2 ug/ml.