

Product datasheet for **AP08438PU-N**

TIM 1 (HAVCR1) (200-300) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	Immunohistochemistry on Paraffin Sections: 2.5 - 5 µg/ml. Western Blot: 1 - 3 µg/ml.
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	HAVCR1 / KIM-1 antibody was raised against a synthetic peptide (SPLYSYTTDGN DTVT) of human HAVCR1/TIM-1 protein were used as immunogen. This sequence corresponds to amino acids (aa) 248-262 of NP_036338 and aa 84-98 of EAW61615.1. Isoforms of HAVCR1/TIM-1 have been described. For example, NP_036338 is 364 aa and EAW61615.1 is 194 aa. EAW61615.1 is referred to as isoform CRA_a. Percent identity by BLAST analysis: Human, Gorilla (100%); Monkey (93%); Dog (80%). Epitope: aa200-300.
Specificity:	This antibody recognizes Hepatitis A Virus Cellular Receptor 1 (HAVCR1).
Formulation:	PBS containing 0.05% BSA as stabilizer and 0.05% Sodium Azide as preservative. State: Aff - Purified State: Liquid purified Ig fraction.
Concentration:	lot specific
Purification:	Protein G Chromatography.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	hepatitis A virus cellular receptor 1
Database Link:	Entrez Gene 26762 Human Q96D42



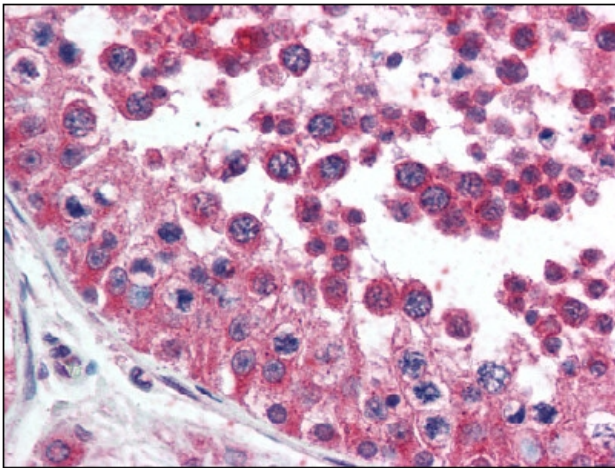
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Background:

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:

TIMD-1, TIM1, TIM-1, T cell membrane protein 1, HAVCR-1

Product images:

Testis: Formalin-Fixed Paraffin-Embedded (FFPE)