

# HAVCR1 Rabbit pAb

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Catalog # AP94080

## Product Information

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<b>Application</b>	WB
<b>Primary Accession</b>	<a href="#">Q5QNS5</a>
<b>Reactivity</b>	Mouse
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Calculated MW</b>	33361
<b>Physical State</b>	Liquid
<b>Immunogen</b>	KLH conjugated synthetic peptide derived from mouse HAVCR1c/TIM 1
<b>Epitope Specificity</b>	161-250/359
<b>Isotype</b>	IgG
<b>Purity</b>	affinity purified by Protein A
<b>Buffer</b>	Preservative: 0.02% Proclin300, Constituents: 1% BSA, 0.01M PBS, pH7.4.
<b>SUBCELLULAR LOCATION</b>	Membrane; Single-pass type I membrane protein (Probable).
<b>SIMILARITY</b>	Belongs to the immunoglobulin superfamily. TIM family. Contains 1 Ig-like V-type (immunoglobulin-like)
<b>Important Note</b>	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
<b>Background Descriptions</b>	The protein encoded by this gene is a membrane receptor for both human hepatitis A virus (HHAV) and TIMD4. The encoded protein may be involved in the moderation of asthma and allergic diseases. The reference genome represents an allele that retains a MTTVP amino acid segment that confers protection against atopy in HHAV seropositive individuals. Three transcript variants encoding the same protein have been found for this gene. [provided by RefSeq]

## Additional Information

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<b>Gene ID</b>	171283
<b>Other Names</b>	Hepatitis A virus cellular receptor 1 homolog, HAVcr-1, Kidney injury molecule 1, KIM-1, T cell immunoglobulin and mucin domain-containing protein 1, TIMD-1, T cell membrane protein 1, T-cell immunoglobulin mucin receptor 1, TIM-1, CD365, Havcr1, Kim1, Tim1, Timd1
<b>Target/Specificity</b>	Widely expressed, with highest levels in kidney and testis. Expressed by activated CD4+ T-cells during the development of helper T-cells responses.
<b>Dilution</b>	WB=1:500-2000
<b>Format</b>	0.01M TBS(pH7.4) with 1% BSA, 0.09% (W/V) sodium azide and 50% Glyce

**Storage** Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

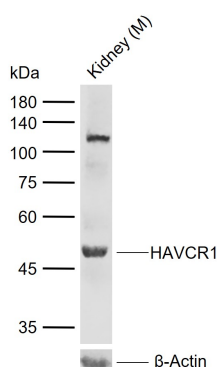
## Protein Information

<b>Name</b>	Havcr1
<b>Synonyms</b>	Kim1, Tim1, Timd1
<b>Function</b>	Phosphatidylserine receptor that plays an important functional role in regulatory B-cells homeostasis including generation, expansion and suppressor functions (PubMed: <a href="#">21821911</a> , PubMed: <a href="#">25645598</a> , PubMed: <a href="#">32668241</a> ). As P-selectin/SELPLG ligand, plays a specialized role in activated but not naive T-cell trafficking during inflammatory responses (PubMed: <a href="#">24703780</a> ). Controls thereby T-cell accumulation in the inflamed central nervous system (CNS) and the induction of autoimmune disease (PubMed: <a href="#">24703780</a> ). Also regulates expression of various anti-inflammatory cytokines and co-inhibitory ligands including IL10 (PubMed: <a href="#">25582854</a> , PubMed: <a href="#">25645598</a> ). Acts as a regulator of T-cell proliferation (PubMed: <a href="#">15793576</a> ). May play a role in kidney injury and repair (By similarity).
<b>Cellular Location</b>	Cell membrane {ECO:0000250   UniProtKB:Q96D42}; Single-pass type I membrane protein
<b>Tissue Location</b>	Expressed by stimulated T-cells. Expressed during primary antigen stimulation (PubMed:11725301). Expressed at higher levels on B rather than T-cells, both constitutively and after activation (PubMed:21821911).

## Background

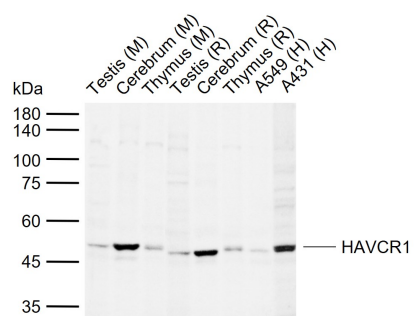
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## Images



Sample: Lane 1: Mouse Kidney tissue lysates Primary: Anti-HAVCR1 (AP94080) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 39 kDa Observed band size: 50 kDa

Sample: Lane 1: Mouse Testis tissue lysates Lane 2: Mouse Cerebrum tissue lysates Lane 3: Mouse Thymus tissue lysates Lane 4: Rat Testis tissue lysates Lane 5: Rat Cerebrum tissue lysates Lane 6: Rat Thymus tissue lysates Lane 7: Human A549 cell lysates Lane 8: Human A431 cell lysates Primary: Anti-HAVCR1 (AP94080) at 1/500 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000



dilution Predicted band size: 39 kDa Observed band size: 50 kDa

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.