

For Research Use Only

HAVCR1 Polyclonal antibody

Catalog Number: 30948-1-AP



Basic Information

Catalog Number: 30948-1-AP	GenBank Accession Number: NM_173149.2	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 550 µg/ml by Nanodrop;	GeneID (NCBI): 286934	Recommended Dilutions: WB 1:500-1:2000 IHC 1:200-1:800
Source: Rabbit	Full Name: hepatitis A virus cellular receptor 1	
Isotype: IgG	Calculated MW: 34 kDa	
	Observed MW: 72 kDa	

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls: WB : mouse kidney tissue, IHC : rat kidney tissue,
Species Specificity: Mouse, Rat	

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Background Information

Hepatitis A virus cellular receptor 1 (HAVCR1, also known as TIM-1, KIM-1 or CD365) is a class I integral membrane glycoprotein, with an ectodomain containing Ig-like domain and a mucin domain. HAVCR1 acts as a membrane receptor for hepatitis A virus (HAV) (PMID: 9658108; 8861957). HAVCR1 provides a costimulatory signal for T cell activation and inhibits the development of peripheral tolerance (PMID: 16284246; 15793575). HAVCR1 may be involved in the regulation of asthma and allergic diseases (PMID: 14534576). It has been reported that HAVCR1 is shed into urine after acute kidney damage and is a marker of renal tubular injury (PMID: 14600030).

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

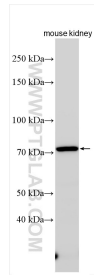
For technical support and original validation data for this product please contact:

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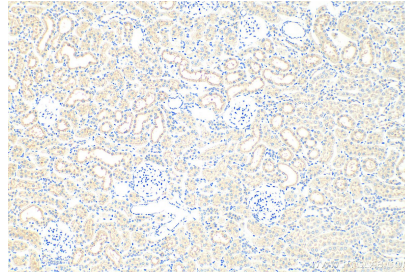
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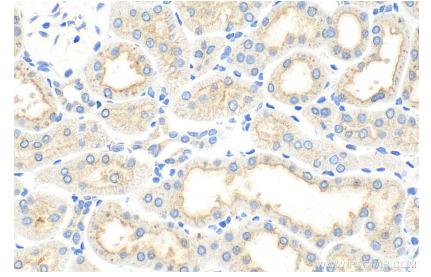
Selected Validation Data



Mouse kidney tissue was subjected to SDS PAGE followed by western blot with 30948-1-AP (Havcr1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded rat kidney tissue slide using 30948-1-AP (Havcr1 antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded rat kidney tissue slide using 30948-1-AP (Havcr1 antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).