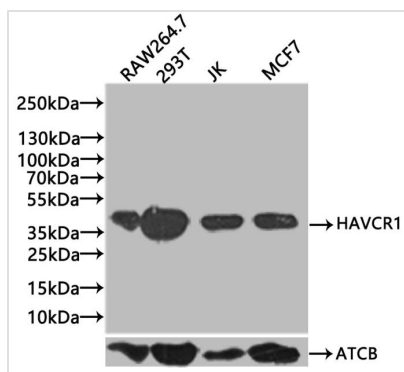




HAVCR1 Recombinant Monoclonal Antibody

| | |
|----------------------------|---|
| Product Code | CSB-RA974628A0HU |
| Storage | Upon receipt, store at -20°C or -80°C. Avoid repeated freeze. |
| Uniprot No. | Q96D42 |
| Immunogen | A synthesized peptide derived from human TIM 1 |
| Species Reactivity | Human, Mouse |
| Tested Applications | ELISA, WB, IHC; Recommended dilution: WB:1:1000-1:3000, IHC:1:50-1:200 |
| Relevance | May play a role in T-helper cell development and the regulation of asthma and allergic diseases. Receptor for TIMD4 (By similarity). May play a role in kidney injury and repair. |
| Form | Liquid |
| Conjugate | Non-conjugated |
| Storage Buffer | Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. |
| Purification Method | Affinity-chromatography |
| Isotype | Rabbit IgG |
| Clonality | Monoclonal |
| Product Type | Recombinant Antibody |
| Immunogen Species | Homo sapiens (Human) |
| Research Area | Immunology; Microbiology |
| Target Names | HAVCR1 |
| Clone No. | 9E1 |

Image



Western Blot

Positive WB detected in: RAW264.7 whole cell lysate(20µg), 293T whole cell lysate(20µg), JK whole cell lysate(20µg), MCF7 whole cell lysate(20µg)

All lanes: HAVCR1 antibody at 1:1000

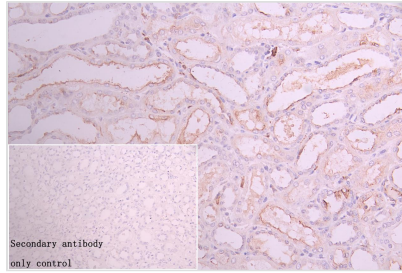
Secondary

Goat polyclonal to rabbit IgG at 1/50000 dilution

Predicted band size: 40 kDa

Observed band size: 50 kDa

Exposure time: 120s



IHC image of CSB-RA974628A0HU diluted at 1:50 and staining in paraffin-embedded human kidney tissue performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a Goat anti-rabbit polymer IgG labeled by HRP and visualized using 0.05% DAB. Secondary antibody only control: uses 1% BSA instead of primary antibody

Description

HAVCR1 is connected to sickness vulnerability and was first detected in primate kidney cells. HAVCR1 has been found as a biomarker for hepatitis and acute renal injury that is both sensitive and specific. According to Vila et al., HAVCR1 inhibited cell differentiation and was highly expressed in clear cell renal cell carcinoma. According to current research, HAVCR1 has been associated with a variety of aggressive cancers, including renal cell carcinoma, human colorectal cancer, and ovarian clear cell carcinoma. As a result, HAVCR1 can be employed as a biomarker for the development and progression of tumors.

To produce the recombinant HAVCR1 antibody genes were cloned from B cells that were isolated from immunized animals with the A synthesized peptide derived from human TIM 1 and then were inserted into plasma vectors. Mammalian cells like CHO and HEK 293 cells were transfected with these recombinant vectors allowing for antibody expression. The cell culture supernatant underwent purification via Affinity-chromatography to obtain the recombinant HAVCR1 antibody. This recombinant HAVCR1 antibody can react with the HAVCR1 protein from Human, Mouse and is recommended for the use in the ELISA, WB.

Usage

For Research Use Only. Not for use in diagnostic or therapeutic procedures.