

Product Datasheet

TIM-1/KIM-1/HAVCR Antibody - BSA Free NBP1-76701

Unit Size: 0.1 mg

Store at 4C.

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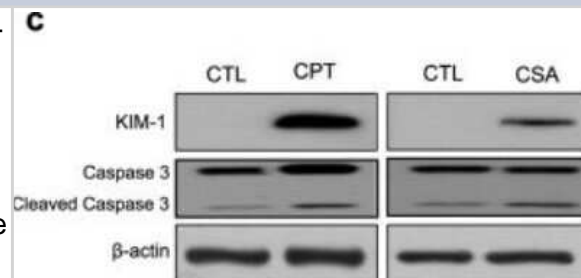
NBP1-76701

TIM-1/KIM-1/HAVCR Antibody - BSA Free

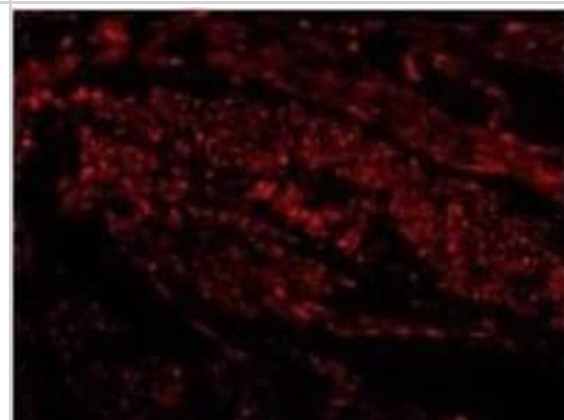
Product Information	
Unit Size	0.1 mg
Concentration	1 mg/ml
Storage	Store at 4C.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Peptide affinity purified
Buffer	PBS
Target Molecular Weight	44 kDa
Product Description	
Host	Rabbit
Gene ID	26762
Gene Symbol	HAVCR1
Species	Human, Mouse, Rat
Reactivity Notes	Mouse reactivity reported in (PMID: 29369823). Rat reactivity reported in (PMID: 30066041).
Specificity/Sensitivity	Human TIM-1/KIM-1/HAVCR has 5 isoforms, including isoform a precursor (364aa, 39kD), isoform a (364aa, 39kD), isoform b precursor (401aa, 44kD), isoform b (359aa, 39kD), and isoform c (359aa, 39kD). This antibody detects human isoform b precursor. Mouse TIM-1/KIM-1/HAVCR has 3 isoforms, including isoform a precursor (305aa, 33kD), isoform b precursor (282aa, 31kD) and isoform b (282aa, 31kD). Rat TIM-1/KIM-1/HAVCR has only one isoform identified so far (307aa, 34kD).
Immunogen	Antibody was raised against a peptide corresponding to 16 amino acids near the amino terminus of human TIM-1. The immunogen is located within amino acids 50 - 100 of TIM-1. Amino Acid Sequence: TNGTHVTYRKDTRYKL
Product Application Details	
Applications	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Knockdown Validated
Recommended Dilutions	Western Blot 1-8 ug/ml, ELISA 1:100-1:2000, Immunohistochemistry 10 ug/ml, Immunocytochemistry/ Immunofluorescence 20 ug/ml, Immunohistochemistry-Paraffin 10 ug/ml, Knockdown Validated
Application Notes	Use in IF reported in scientific literature (PMID:33644078). ICC/IF reactivity reported in (PMID: 27214555).

Images

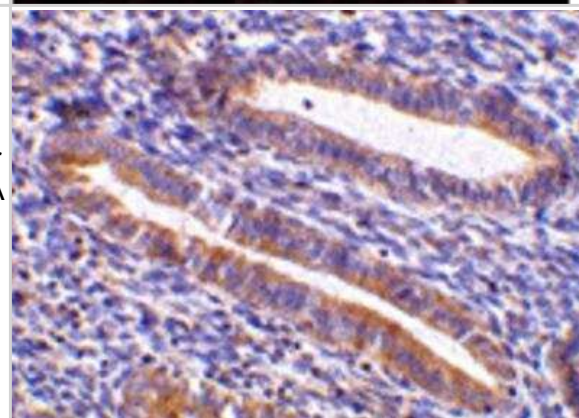
Western Blot: TIM-1/KIM-1/HAVCR Antibody - BSA Free [NBP1-76701] - TIM-1/KIM-1/HAVCR Antibody [NBP1-76701] - In vitro nephrotoxicity assessment of kidney spheroids. Western blotting analysis of kidney injury markers in kidney spheroids after treatment with 20 μ M cisplatin (CPT) or 50 μ M cisplatin cyclosporin A (CSA). All data are shown as the means \pm s.e.m. * p < 0.05 compared with control by unpaired Student's t-test. Scale bar, 20 μ m. Image collected and cropped by CiteAb from the following publication (www.nature.com/articles/s41598-019-53855-2) licensed under a CC-BY license.



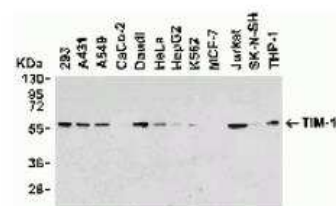
Immunocytochemistry/Immunofluorescence: TIM-1/KIM-1/HAVCR Antibody - BSA Free [NBP1-76701] - TIM-1/KIM-1/HAVCR Antibody [NBP1-76701] - in Human Uterus cells. Dilution 20 μ g/mL.



Immunohistochemistry-Paraffin: TIM-1/KIM-1/HAVCR Antibody - BSA Free [NBP1-76701] - TIM-1/KIM-1/HAVCR Antibody [NBP1-76701] - Analysis of human uterus tissue using anti-TIM-1 antibody (3809) at 10 μ g/mL. Tissue was fixed with formaldehyde and blocked with 10% serum for 1 h at RT; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody overnight at 4 C. A goat anti-rabbit IgG H&L (HRP) at 1/250 was used as secondary. Counter stained with Hematoxylin.

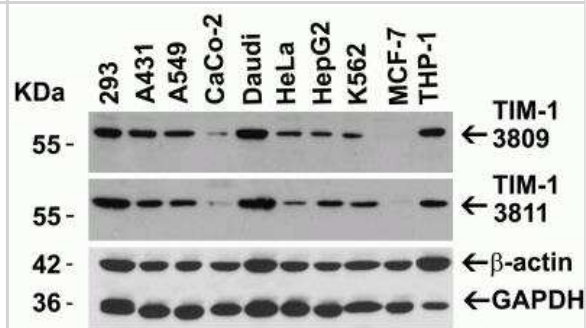


Western Blot: TIM-1/KIM-1/HAVCR Antibody - BSA Free [NBP1-76701] - TIM-1/KIM-1/HAVCR Antibody [NBP1-76701] - Loading: 15 μ g of lysates per lane. Antibodies: TIM-1 3809 (8 μ g/mL), overnight incubation at 4 C in 5% NFDN/TBST. Secondary: Goat anti-rabbit IgG HRP conjugate at 1:10000 dilution.

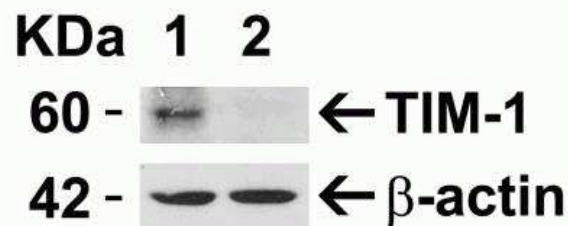


Western Blot: TIM-1/KIM-1/HAVCR Antibody - BSA Free [NBP1-76701] - TIM-1/KIM-1/HAVCR Antibody [NBP1-76701] - Loading: 15 ug of NIH/3T3 cell lysates. Antibodies: TIM-1 3809 (8 ug/mL), overnight incubation at 4 C in 5% NFDN/TBST. Secondary: Goat anti-rabbit IgG HRP conjugate at 1:10000 dilution. ✖

Western Blot: TIM-1/KIM-1/HAVCR Antibody - BSA Free [NBP1-76701] - TIM-1/KIM-1/HAVCR Antibody [NBP1-76701] - Loading: 15 ug of lysates per lane. Antibodies: TIM-1 3809 (8 ug/mL), TIM-1 3811 (1 ug/mL), beta-actin (1 ug/mL), and GAPDH (0.02 ug/mL), overnight incubation at 4C (3809) or 1h incubation at RT in 5% NFDN/TBST. Secondary: Goat anti-rabbit IgG HRP conjugate at 1:10000 dilution.



Western Blot: TIM-1/KIM-1/HAVCR Antibody - BSA Free [NBP1-76701] - TIM-1/KIM-1/HAVCR Antibody [NBP1-76701] - HeLa cells were transfected with control siRNAs (lane 1) or TIM-1 siRNAs (lane 2) Loading: 15 ug of HeLa whole cell lysates per lane. Antibodies: 3809 (8 ug/mL), 1 h incubation at RT in 5% NFDN/TBST. Secondary: Goat anti-rabbit IgG HRP conjugate at 1:10000 dilution.



Publications

An S, Yao Y, Wu J et al. Gut-derived 4-hydroxyphenylacetic acid attenuates sepsis-induced acute kidney injury by upregulating ARC to inhibit necroptosis *Biochimica et biophysica acta. Molecular basis of disease* 2023-09-13 [PMID: 37714058]

Micha?ek K, Oberska P, Murawski M et al. Kidney morphology and renal expression of aquaporins 2, 3 and 4 during cerulein - Induced chronic pancreatitis in pigs *Advances in medical sciences* 2023-09-12 [PMID: 37708639] (WB, IHC-Fr, Porcine)

Tunbenjasiri K, Pongking T, Sitthirach C et al. Alterations of metagenomics and metaproteomics associate kidney disease in a combination of opisthorchiasis and nonalcoholic fatty liver disease *bioRxiv* 2023-09-23 (IHC, Mouse)

Çomaklı S, Özdemir S, Gülo?lu M Chrysin attenuates paclitaxel-induced hepatorenal toxicity in rats by suppressing oxidative damage, inflammation, and apoptosis *Life sciences* 2023-09-15 [PMID: 37716503] (Rat)

Liu HH, Li XQ, Liu JF et al. miR-6869-5p Transported by Plasma Extracellular Vesicles Mediates Renal Tubule Injury and Renin-Angiotensin System Activation in Obesity *Frontiers in Medicine* 2021-09-08 [PMID: 34568382] (Western Blot)

Yang C, Zhang Y, Zeng X et al. Kidney injury molecule-1 is a potential receptor for SARS-CoV-2 *Journal of Molecular Cell Biology* 2021-01-25 [PMID: 33493263]

Kansakar U, Gambardella J, Varzideh F et al. miR-142 Targets TIM-1 in Human Endothelial Cells: Potential Implications for Stroke, COVID-19, Zika, Ebola, Dengue, and Other Viral Infections *International Journal of Molecular Sciences* 2022-09-06 [PMID: 36142146] (Western Blot)

Yang CC, Chen YL, Sung PH et al. Repeated administration of adipose-derived mesenchymal stem cells added on beneficial effects of empagliflozin on protecting renal function in diabetic kidney disease rat *Biomedical journal* 2023-06-22 [PMID: 37355087] (ICC/IF, IHC, Rat)

Ban K, Nam G, Kim D et al. Prevention of LPS-Induced Acute Kidney Injury in Mice by Bavachin and Its Potential Mechanisms *Antioxidants* 2022-10-24 [PMID: 36358467] (IHC-P, Mouse)

Zheng X, Narayanan S, Xu C et al. Repression of hypoxia-inducible factor-1 contributes to increased mitochondrial reactive oxygen species production in diabetes *eLife* 2022-02-15 [PMID: 35164902] (IHC-P, Mouse)

Freitas F, Atwell D Pericyte-mediated constriction of renal capillaries evokes no-reflow and kidney injury following ischaemia *eLife* 2022-03-14 [PMID: 35285797] (IF/IHC, Rat)

Eliasson Angelstig S Mechanistic studies on the repression of cellular reaction to hypoxia as cause for chronic complications in diabetes *Thesis* 2021-01-01 (WB, Human)

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Products Related to NBP1-76701

NBP1-76701PEP	TIM-1/KIM-1/HAVCR Antibody Blocking Peptide
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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