

Product Datasheet

TRAF3IP2 Antibody - BSA Free

NB100-56740

Unit Size: 0.1 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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Product Information

Unit Size	0.1 mg
Concentration	1.0 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Protein G purified
Buffer	PBS

Product Description

Host	Rabbit
Gene ID	10758
Gene Symbol	TRAF3IP2
Species	Human, Mouse
Reactivity Notes	Immunogen displays the following percentage of sequence identity for these species: human (100%), rat (88%), and mouse (82%).
Immunogen	This antibody was developed against a synthetic peptide (QDLPRPLRSREFPQFEP) corresponding to amino acids 225-241 of human TRAF3IP2.

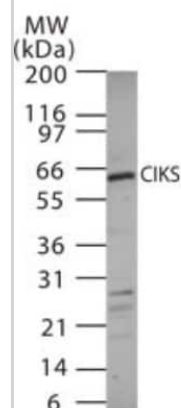
Product Application Details

Applications	Western Blot, Simple Western, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation
Recommended Dilutions	Western Blot 1-2 ug/ml, Simple Western 1:20, Immunohistochemistry, Immunoprecipitation reported in scientific literature (PMID 24561578), Immunohistochemistry-Paraffin
Application Notes	An approx. 60 kDa band is observed. In Simple Western only 10 - 15 uL of the recommended dilution is used per data point. See Simple Western Antibody Database for Simple Western validation: Tested in Hek293 lysate, separated by Size, antibody dilution of 1:10, apparent MW was 63 kDa.



Images

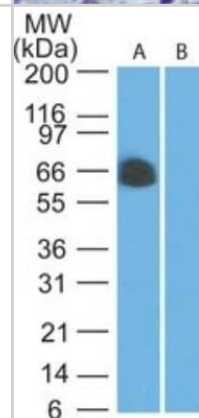
Western Blot: TRAF3IP2 Antibody [NB100-56740] - Analysis of CIKS using NB100-56740 on 15 ugs of mouse kidney cell lysate.



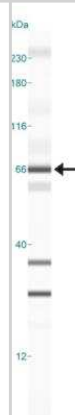
Immunohistochemistry-Paraffin: TRAF3IP2 Antibody [NB100-56740] - Analysis of ACT1 in human kidney tissue using ACT1 antibody at 5 ug/ml.



Western Blot: TRAF3IP2 Antibody [NB100-56740] - Analysis of ACT1 in human kidney lysate in the A) absence and B) presence of immunizing peptide using ACT1 antibody at 2 ug/ml.



Simple Western: TRAF3IP2 Antibody [NB100-56740] - Simple Western lane view shows a specific band for TRAF3IP2 in 0.5 mg/ml of Hek293 lysate. This experiment was performed under reducing conditions using the 12-230 kDa separation system.



Publications

Higashi, Y;Dashek, R;Delafontaine, P;Rector, RS;Chandrasekar, B; EF24, a Curcumin Analog, Reverses Interleukin-18-Induced miR-30a or miR-342-Dependent TRAF3IP2 Expression, RECK Suppression, and the Proinflammatory Phenotype of Human Aortic Smooth Muscle Cells Cells 2024-10-10 [PMID: 39451191]

Dashek R, Higashi Y, Das N et al. Effects of Empagliflozin on Intermittent Hypoxia-Induced TRAF3IP2-Dependent Human Aortic Smooth Muscle Cell Proliferation Medical Research Archives 2022-11-02 (WB, Human)

Sukhanov S, Higashi Y, Yoshida T et al. The SGLT2 inhibitor Empagliflozin attenuates interleukin-17A-induced human aortic smooth muscle cell proliferation and migration by targeting TRAF3IP2/ROS/NLRP3/Caspase-1-dependent IL-1beta and IL-18 secretion J Virol 2020-11-04 [PMID: 33160017]

Tovell H SGK3 activity and regulation in PI3K-Akt pathway inhibitor resistance in breast cancer Thesis 2020-01-01 (WB, Human)

Das NA, Carpenter AJ, Belenchia A, et al. Empagliflozin reduces high glucose-induced oxidative stress and miR-21-dependent TRAF3IP2 induction and RECK suppression, and inhibits human renal proximal tubular epithelial cell migration and epithelial-to-mesenchymal transition Cell. Signal. 2019-12-17 [PMID: 31862399] (WB, Human)

Das NA, Carpenter AJ, Yashida T et al. TRAF3IP2 mediates TWEAK/TWEAKR-induced pro-fibrotic responses in cultured cardiac fibroblasts and the heart J Mol Cell Cardiol. 2018-07-05 [PMID: 29981796] (WB, Mouse)

Mummidi S, Das NA, Carpenter AJ et al. Metformin inhibits aldosterone-induced cardiac fibroblast activation, migration and proliferation in vitro, and reverses aldosterone + salt-induced cardiac fibrosis in vivo. J Mol Cell Cardiol. 2017-09-01 [PMID: 27423273] (WB, Mouse)

Yarishwamy M, Yoshida T, Valente AJ et al. Cardiac-Restricted Overexpression of TRAF3 Interacting Protein 2 (TRAF3IP2) Results in Spontaneous Development of Myocardial Hypertrophy, Fibrosis and Dysfunction. J Biol Chem. [PMID: 27466370] (WB, Mouse)

Padilla J, Carpenter A, Das ND et al. TRAF3IP2 mediates high glucose-induced endothelin-1 production as well as endothelin-1-induced inflammation in endothelial cells. Am. J. Physiol. Heart Circ. Physiol. 2017-09-29 [PMID: 28971844] (WB)

Sakamuri SS, Valente AJ, Siddesha JM et al. TRAF3IP2 mediates aldosterone/salt-induced cardiac hypertrophy and fibrosis. Mol. Cell. Endocrinol. 2016-04-01 [PMID: 27040306] (WB, Mouse)

Somanna NK, Yarishwamy M, Garagliano JM et al. Aldosterone-induced cardiomyocyte growth, and fibroblast migration and proliferation are mediated by TRAF3IP2 Cell. Signal. 2015-07-04 [PMID: 26148936] (WB, Mouse)

Valente AJ, Irimpen AM, Siebenlist U et al. OxLDL induces endothelial dysfunction and death via TRAF3IP2: inhibition by HDL3 and AMPK activators Free Radic Biol Med 2014-02-25 [PMID: 24561578] (WB, IP, Human)

More publications at <http://www.novusbio.com/NB100-56740>



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Products Related to NB100-56740

NB820-59661	Mouse Kidney Whole Tissue Lysate (Adult Whole Normal)
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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