

Product Datasheet

DDIT4 Antibody - BSA Free

NBP1-77321

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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Publications: 3

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NBP1-77321

DDIT4 Antibody - BSA Free

Product Information

Unit Size	0.1 mg
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Peptide affinity purified
Buffer	PBS

Product Description

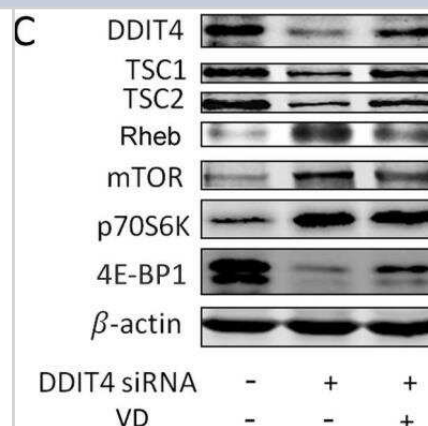
Description	Novus Biologicals Rabbit DDIT4 Antibody - BSA Free (NBP1-77321) is a polyclonal antibody validated for use in IHC, WB, ELISA and ICC/IF. Anti-DDIT4 Antibody: Cited in 3 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	54541
Gene Symbol	DDIT4
Species	Human, Mouse, Rat
Immunogen	Antibody was raised against a 12 amino acid synthetic peptide from near the center of human RTP801. The immunogen is located within amino acids 90 - 140 of RTP801. Amino Acid Sequence: QARLGSRRLPARL

Product Application Details

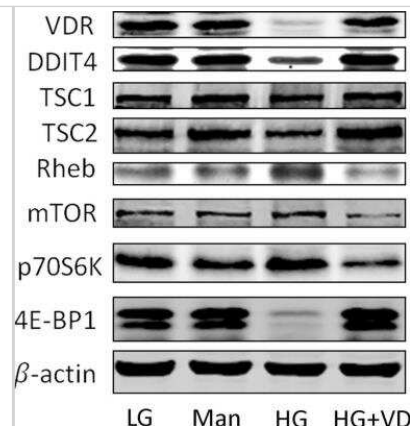
Applications	Western Blot, Immunohistochemistry-Paraffin, ELISA, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Knockdown Validated
Recommended Dilutions	Western Blot 0.5-1 ug/ml, ELISA, Immunohistochemistry 5 ug/ml, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin 5 ug/ml, Knockdown Validated

Images

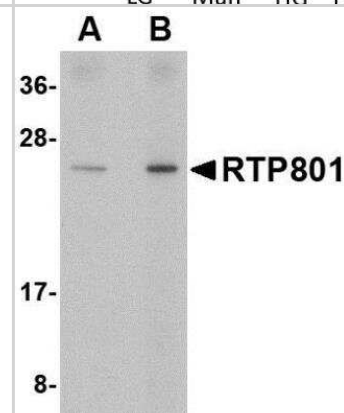
Western Blot: DDIT4 Antibody [NBP1-77321] - siRNA knockdown of the DDIT4 antiproliferative responses to 1,25(OH)₂ D₃ RMCs were transfected with negative control siRNA or DDIT4-specific siRNA in the presence or absence of 1,25(OH)₂ D₃. (C) DDIT4 protein expression levels were detected by Western blot. Image collected and cropped by CiteAb from the following publication (<https://www.oncotarget.com/lookup/doi/10.18632/oncotarget.23063>) licensed under a CC-BY license.



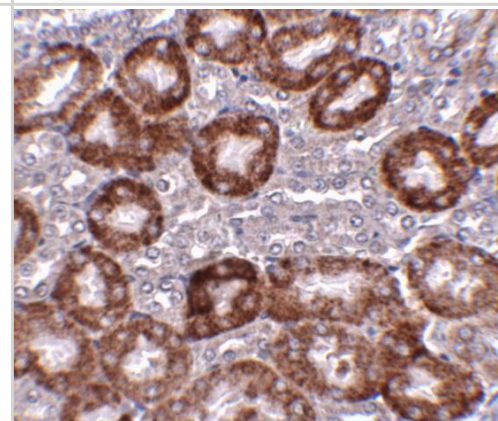
Western Blot: DDIT4 Antibody [NBP1-77321] - 1,25(OH)₂ D₃ modulates RMCs proliferation induced by high glucose via the DDIT4/mTOR signaling pathway RMCs were cultured for 48 h in the presence or absence of 1,25(OH)₂ D₃. Cell lysates were subjected to Western blot analysis to measure the levels of DDIT4. LG: 5.5 mM glucose; Man: 5.5 mM glucose + 24.5 mM mannitol; HG: 30 mM glucose. Image collected and cropped by CiteAb from the following publication (<https://www.oncotarget.com/lookup/doi/10.18632/oncotarget.23063>) licensed under a CC-BY license.



Western Blot: DDIT4 Antibody [NBP1-77321] - Human kidney tissue lysate with DDIT4 antibody at (A) 0.5 and (B) 1 ug/mL.

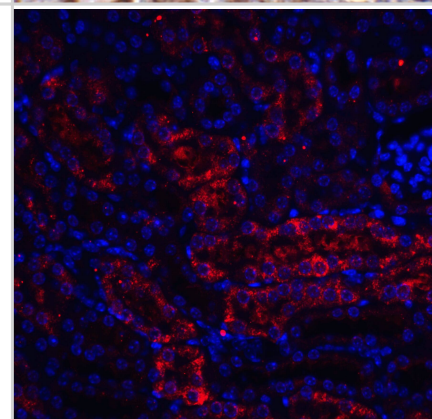


Immunohistochemistry: DDIT4 Antibody - BSA Free [NBP1-77321] - Immunohistochemistry of DDIT4 in mouse kidney tissue with DDIT4 antibody at 5 u/mL.



Immunocytochemistry/ Immunofluorescence: DDIT4 Antibody - BSA Free [NBP1-77321] - Immunofluorescence of DDIT4 in mouse kidney tissue with DDIT4 antibody at 20 ug/mL.

Red: DDIT4 Antibody
Blue: DAPI staining



Publications

Zhang C, Su Y, Wang H et al. Characterization of a ferroptosis-related gene signature predicting survival and immunotherapeutic response in lung adenocarcinoma Aging (Albany NY) 2024-09-30 [PMID: 39311766]

Schwenzer H, Juhling F, Chu A et al. Oxidative Stress Triggers Selective tRNA Retrograde Transport in Human Cells during the Integrated Stress Response Cell Rep 2019-03-19 [PMID: 30893612] (ICC/IF, Human)

Chen DP, Ma YP, Zhuo L, Zhang Z. 1,25-Dihydroxyvitamin D3inhibits the proliferation of rat mesangial cells induced by high glucose via DDIT4. Oncotarget. 2018-01-02 [PMID: 29416624] (WB, Human)





Novus Biologicals USA

10730 E. Briarwood Avenue
Centennial, CO 80112
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
nb-customerservice@bio-techne.com

Bio-Techne Canada

21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

Bio-Techne Ltd

19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info.EMEA@bio-techne.com

General Contact Information

www.novusbio.com
Technical Support: nb-technical@bio-techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

Products Related to NBP1-77321

NBP1-77321PEP	DDIT4 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

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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