

# 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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[technical@novusbio.com](mailto:technical@novusbio.com)

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**NBP1-77321**

DDIT4 Antibody - BSA Free

**Product Information**

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

**Product Description**

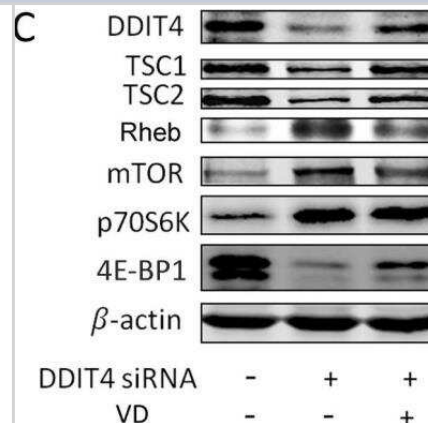
<b>Host</b>	Rabbit
<b>Gene ID</b>	54541
<b>Gene Symbol</b>	DDIT4
<b>Species</b>	Human, Mouse, Rat
<b>Immunogen</b>	Antibody was raised against a 12 amino acid synthetic peptide from near the center of human RTP801. The immunogen is located within amino acids 90 - 140 of RTP801. Amino Acid Sequence: QARLGSRPARL

**Product Application Details**

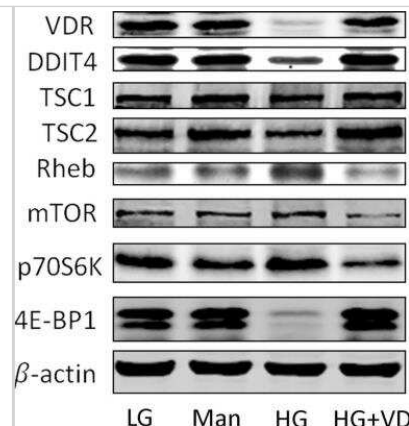
<b>Applications</b>	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Knockdown Validated
<b>Recommended Dilutions</b>	Western Blot 0.5-1 ug/ml, ELISA, Immunohistochemistry 5 ug/ml, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin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

**Images**

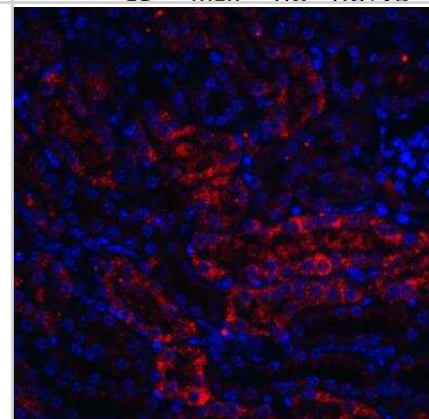
Knockdown Validated: DDIT4 Antibody [NBP1-77321] - siRNA knockdown of the DDIT4 antiproliferative responses to 1,25(OH)<sub>2</sub> D3RMCs were transfected with negative control siRNA or DDIT4-specific siRNA in the presence or absence of 1,25(OH)<sub>2</sub> D3. (C) DDIT4 protein expression levels were 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.



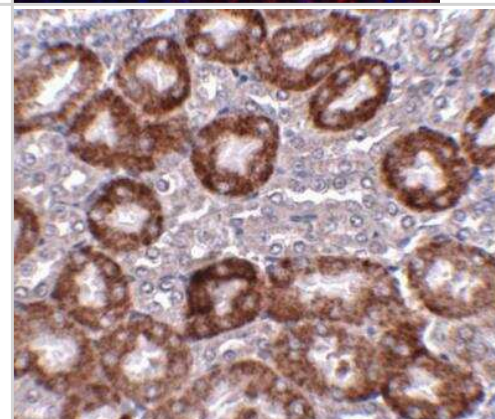
**Western Blot: DDIT4 Antibody [NBP1-77321] - 1,25(OH)<sub>2</sub> D<sub>3</sub> modulates RMCs proliferation induced by high glucose via the DDIT4/mTOR signaling pathway** RMCs were cultured for 48 h in the presence or absence of 1,25(OH)<sub>2</sub> D<sub>3</sub>. Cell lysates were subjected to Western 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.



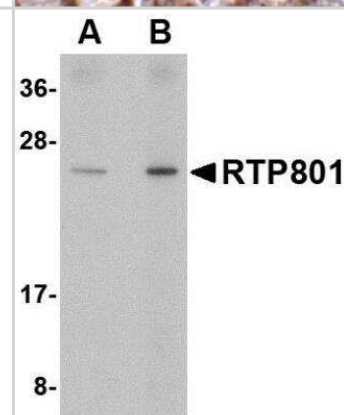
**Immunocytochemistry/Immunofluorescence: DDIT4 Antibody [NBP1-77321] - Mouse kidney tissue with NBP1-77321 antibody at 20 ug/mL.** Red: Antibody Blue: DAPI staining



**Immunohistochemistry-Paraffin: DDIT4 Antibody [NBP1-77321] - Mouse kidney tissue with DDIT4 antibody at 5 ug/ml.**



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



## Publications

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 D<sub>3</sub> inhibits 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](mailto: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](mailto: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](mailto:info.EMEA@bio-techne.com)

### **General Contact Information**

[www.novusbio.com](http://www.novusbio.com)

Technical Support: [nb-technical@bio-techne.com](mailto:nb-technical@bio-techne.com)

Orders: [nb-customerservice@bio-techne.com](mailto:nb-customerservice@bio-techne.com)

General: [novus@novusbio.com](mailto: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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