Product Datasheet

DDIT4 Antibody - BSA Free
NBP1-22966

Unit Size: 100 ul

Store at 4C. Do not freeze.

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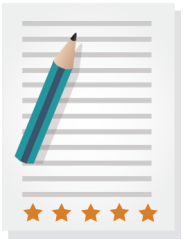
Updated 2/21/2025 v.20.1



NBP1-22966

DDIT4 Antibody - BSA Free

Product Information

Unit Size	100 ul
Concentration	1.0 mg/ml
Storage	Store at 4C. Do not freeze.
Clonality	Polyclonal
Preservative	0.09% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	Tris-Citrate/Phosphate (pH 7.0 - 8.0)

Product Description

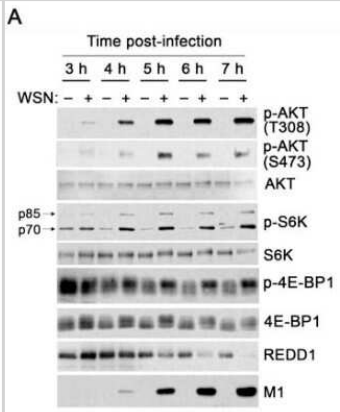
Host	Rabbit
Gene ID	54541
Gene Symbol	DDIT4
Species	Human, Mouse
Reactivity Notes	Mouse reactivity reported in scientific literature (PMID: 25867045)
Immunogen	The immunogen recognized by this antibody maps to a region between residue 1 and 50 of human protein regulated in development and DNA damage response 1 (DNA-damage-inducible transcript 4) using the numbering given in entry NP_061931.1 (GeneID 54541).

Product Application Details

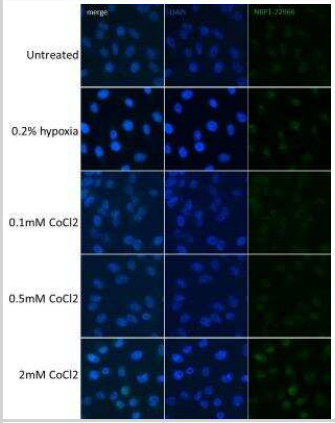
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation
Recommended Dilutions	Western Blot 1:1000-1:4000, Immunocytochemistry/ Immunofluorescence 1:500 to 1:2000, Immunoprecipitation 5-15 ug/mg lysate
Application Notes	Formaldehyde fixation is recommended. Permeabilization with Triton X-100 is recommended for formaldehydefixed cells.

Images

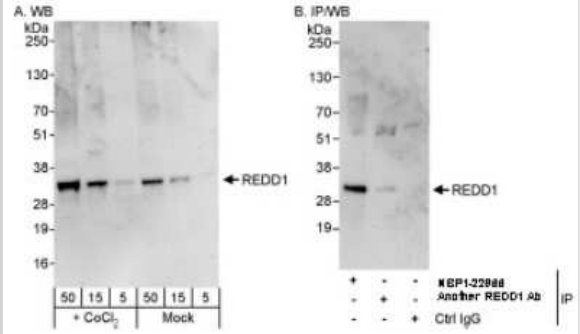
Western Blot: DDIT4 Antibody [NBP1-22966] - Influenza virus down-regulates REDD1 to promote mTORC1 activity. A549 cells were infected with WSN at MOI of 2 PFU/cell for the indicated times. A549 cells were transfected with siRNAs (pool of three each) targeting viral mRNAs and then infected for 7 h at MOI of 2 PFU/cell. Immunoblot analysis was performed to detect the depicted proteins, n = 3. Image collected and cropped by CiteAb from the following publication (https://dx.plos.org/10.1371/journal.ppat.1006635), licensed under a CC-BY license.



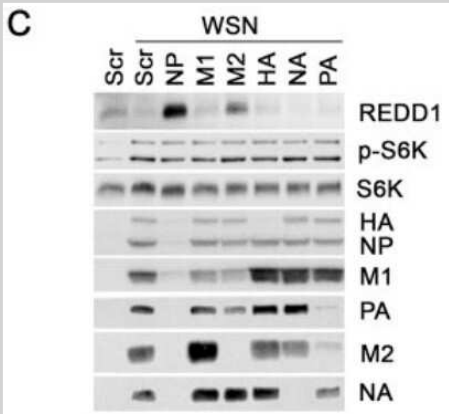
Immunocytochemistry/Immunofluorescence: DDIT4 Antibody [NBP1-22966] - HeLa cells stained with NBP1-22966 after 0.2% hypoxia or CoCl2 overnight. Image from verified customer review.



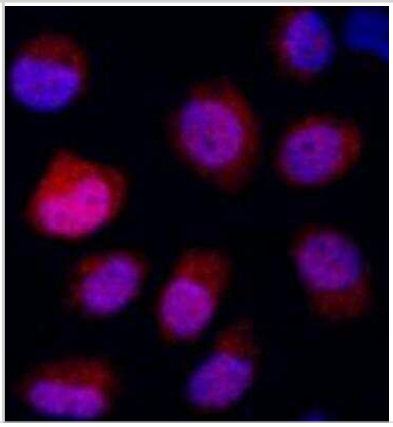
Western Blot: DDIT4 Antibody [NBP1-22966] - Whole cell lysate (5, 15 and 50 mcg for WB; 1 mg for IP, 20% of IP loaded) from HeLa cells. Lysate was prepared from cells that had been treated with cobalt chloride (A and B) or mock treated (A). NBP1-22966 used for WB at 0.4 mcg/ml (A) and 1 mcg/ml (B) and used for IP at 10 mcg/mg lysate.



Western Blot: DDIT4 Antibody [NBP1-22966] - Influenza virus down-regulates REDD1 to promote mTORC1 activity.(A-C) A549 cells were infected with WSN at MOI of 2 PFU/cell for the indicated times. A549 cells were transfected with siRNAs (pool of three each) targeting viral mRNAs and then infected for 7 h at MOI of 2 PFU/cell. Immunoblot analysis was performed to detect the depicted proteins, n = 3. Image collected and cropped by CiteAb from the following publication (https://dx.plos.org/10.1371/journal.ppat.1006635), licensed under a CC-BY license.



Immunocytochemistry/Immunofluorescence: DDIT4 Antibody [NBP1-22966] - NBF-fixed asynchronous, cobalt-treated HeLa cells. Antibody: Affinity purified rabbit anti-REDD1 used at a dilution of 1:500 (2 ug/ml). Detection: Red-fluorescent goat anti-rabbit IgG H&L crossadsorbed Antibody DyLight®594 used at 1:100.



Publications

Hwang D, Baek S, Chang J et al. YAP promotes global mRNA translation to fuel oncogenic growth despite starvation. Experimental & molecular medicine 2024-10-01 [PMID: 39349825]

Kuss-Duerkop SK, Wang J, Mena I et al. Influenza virus differentially activates mTORC1 and mTORC2 signaling to maximize late stage replication. PLoS Pathog. 2017-09-01 [PMID: 28953980] (WB, Human)

Potts MB, McMillan EA, Rosales TI et al. Mode of action and pharmacogenomic biomarkers for exceptional responders to didemnin B Nat. Chem. Biol. 2015-04-13 [PMID: 25867045] (WB, Mouse)

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Products Related to NBP1-22966

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP1-50976-0.05mg	Recombinant Human DDIT4 His Protein

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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