

Product Datasheet

OTUD7B/Cezanne/ZA20D1 Antibody - BSA Free NBP1-88095

Unit Size: 0.1 ml

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

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NBP1-88095

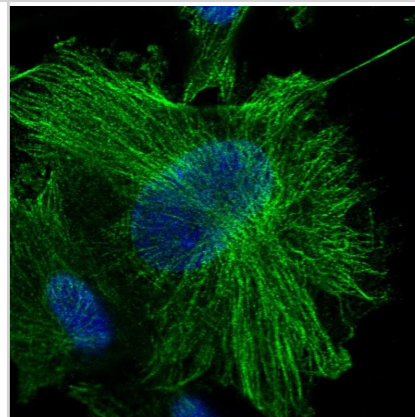
OTUD7B/Cezanne/ZA20D1 Antibody - BSA Free

Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
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	Affinity purified
Buffer	PBS (pH 7.2) and 40% Glycerol
Product Description	
Description	Novus Biologicals Rabbit OTUD7B/Cezanne/ZA20D1 Antibody - BSA Free (NBP1-88095) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. Anti-OTUD7B/Cezanne/ZA20D1 Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	56957
Gene Symbol	OTUD7B
Species	Human
Reactivity Notes	Immunogen displays the following percentage of sequence identity for non-tested species: Rat 87%, Mouse 86%
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: PHQDSIPSLEPGSHSKDGLHRGALLPPPYRVADSYSNGYREPPEPDGWAGGL RGLPPTQTKCKQPNCSEFYG
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:50 - 1:200, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:50 - 1:200
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF Fixation Permeabilization: Use PFA/Triton X-100.

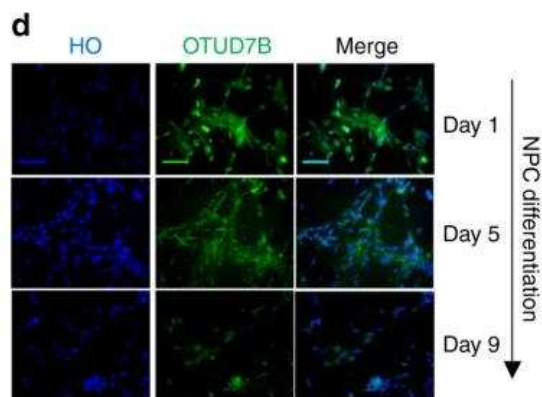


Images

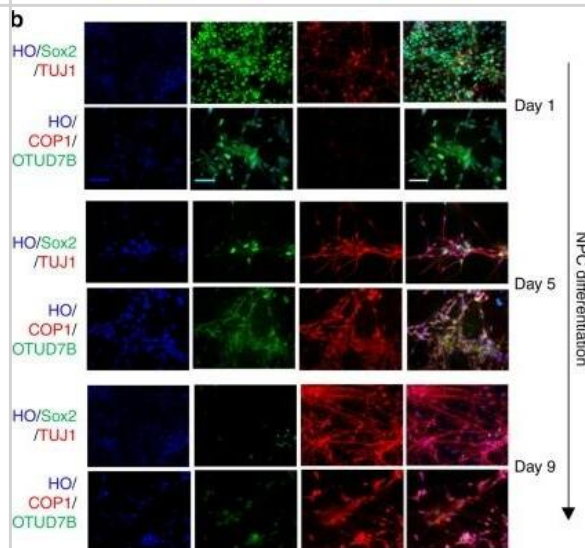
Staining of human cell line U-251 MG shows localization to nucleoplasm & microtubules.



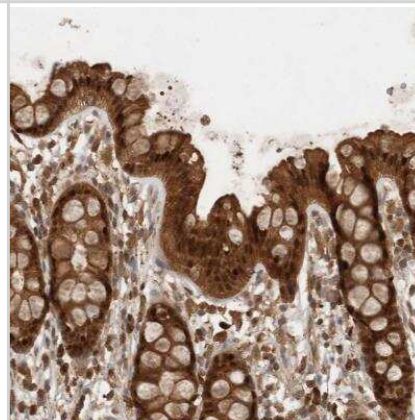
OTUD7B-Cezanne-ZA20D1-Antibody-Immunocytochemistry-Immunofluorescence-NBP1-88095-img0011.jpg



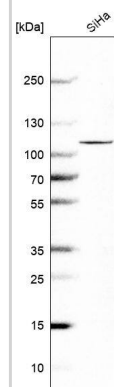
Western Blot: OTUD7B/Cezanne/ZA20D1 Antibody [NBP1-88095] - COP1 & OTUD7B coordinate to control NPCs differentiation. a, b NPCs were plated in Matrigel-coated six-well plate for neuronal differentiation. For the indicated times, immunoblotting (a) & immunofluorescence (b) of Sox2, CUL4A, COP1, OTUD7B & TUJ1 were performed. c Cells transfected with HA-Ub & indicated shRNA were treated by MG132 for 8 h, & the lysates were immunoprecipitated with anti-Sox2 antibody & immunoblotted with anti-HA. d Summary of our findings. OTUD7B stabilizes Sox2 through deubiquitylation & maintains the stemness of NPCs, while CUL4A/COP1 promotes Sox2 degradation through ubiquitylation & induces differentiation of NPCs. OTUD7B & CUL4A/COP1 exert opposite roles in regulating Sox2 protein stability at the post-translational level. The representative images are shown from three independent experiments. Unprocessed original scans of blots are shown in Supplementary Fig. 9 Image collected & cropped by CiteAb from the following publication (<https://pubmed.ncbi.nlm.nih.gov/30405104>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Immunohistochemistry-Paraffin: OTUD7B/Cezanne/ZA20D1 Antibody [NBP1-88095] - Staining of human rectum shows strong cytoplasmic and nuclear positivity in glandular cells.



Analysis in human cell line SiHa.



Publications

Cui C. P, Zhang Y, et al. Dynamic ubiquitylation of Sox2 regulates proteostasis and governs neural progenitor cell differentiation. Nat Commun 2018-11-07 [PMID: 30405104] (WB, Mouse, Human)



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Products Related to NBP1-88095

NBP1-88095PEP	OTUD7B/Cezanne/ZA20D1 Recombinant Protein Antigen
NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
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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