

Product Datasheet

ZIC3 Antibody - BSA Free NBP1-33207

Unit Size: 0.1 ml

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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NBP1-33207

ZIC3 Antibody - BSA Free

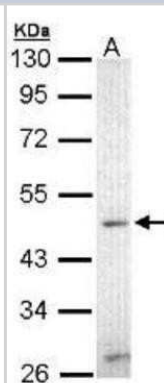
| Product Information | |
|--------------------------------|--|
| Unit Size | 0.1 ml |
| Concentration | Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services. |
| Storage | Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles. |
| Clonality | Polyclonal |
| Preservative | 0.01% Thimerosal |
| Isotype | IgG |
| Purity | Antigen Affinity-purified |
| Buffer | 0.1M Tris, 0.1M Glycine, 10% Glycerol |
| Target Molecular Weight | 51 kDa |

| Product Description | |
|-------------------------|--|
| Host | Rabbit |
| Gene ID | 7547 |
| Gene Symbol | ZIC3 |
| Species | Human, Rat |
| Reactivity Notes | Xenopus laevis (91%). |
| Immunogen | Recombinant protein encompassing a sequence within the center region of human ZIC3. The exact sequence is proprietary. |

| Product Application Details | |
|------------------------------|--|
| Applications | Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen |
| Recommended Dilutions | Western Blot 1:500-1:3000, Immunohistochemistry 1:100-1:1000, Immunocytochemistry/ Immunofluorescence 1:100-1:1000, Immunohistochemistry-Frozen 1:100-1:1000 |

Images

Western Blot: ZIC3 Antibody [NBP1-33207] - Sample (30 ug of whole cell lysate) A: Hep G2 10% SDS PAGE; antibody diluted at 1:500



Immunocytochemistry/Immunofluorescence: ZIC3 Antibody [NBP1-33207] - Analysis of paraformaldehyde-fixed Human ESC, using antibody at 1:100 dilution.



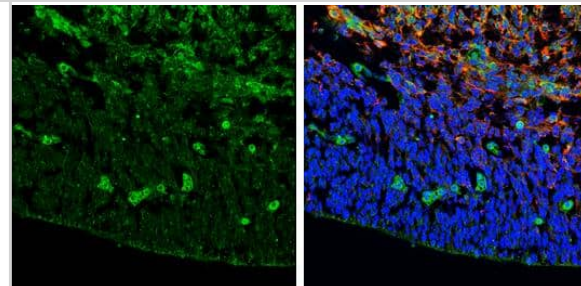
ZIC3 antibody [N3C3] detects ZIC3 protein expression by immunohistochemical analysis.

Sample: Frozen sectioned E13.5 Rat brain.

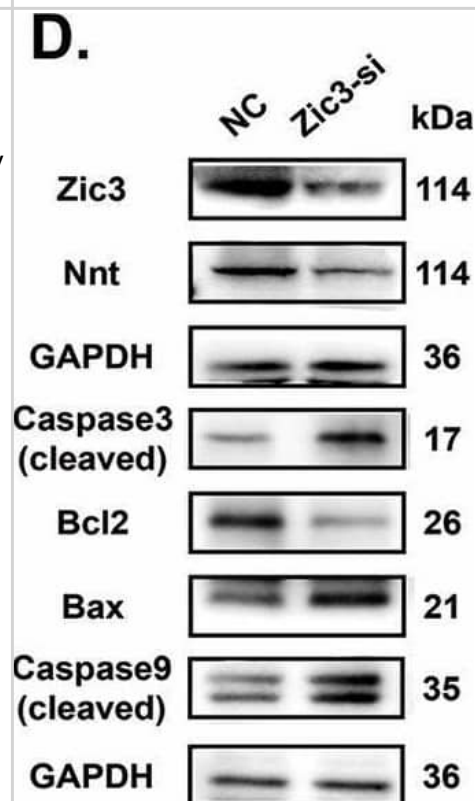
Green: ZIC3 protein stained by ZIC3 antibody [N3C3] (NBP1-33207) diluted at 1:250.

Red: beta Tubulin 3/ TUJ1, a mature neuron marker, stained by beta Tubulin 3/ TUJ1 antibody [GT11710] diluted at 1:500.

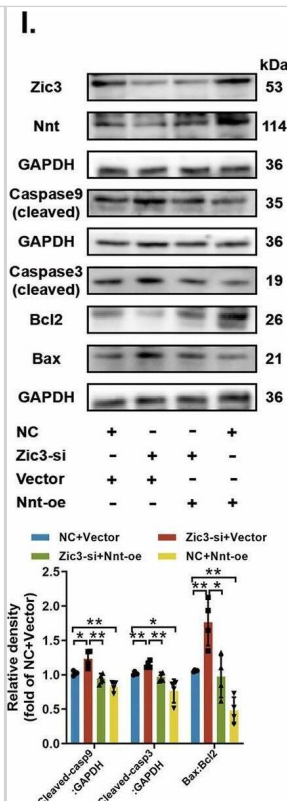
Blue: Fluoroshield with DAPI .



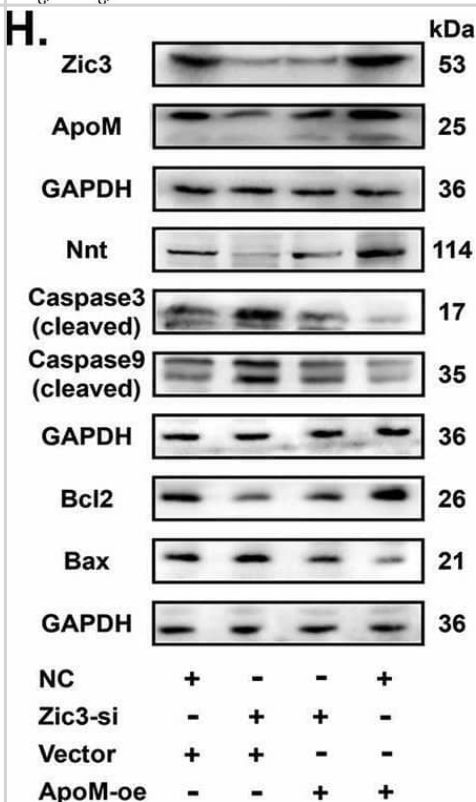
Zic3-ApoM-Nnt axis mediates cell homeostasis between mitophagy and apoptosis. A, C, D C17.2 cells were transfected with Ncontrol (NC) or siRNA targeting Zic3 (Zic3-si). B, E C17.2 cells were transfected with empty pcDNA vector (Vector) or WT Zic3 cDNA (Zic3-oe). A, B PINK1, PRKN and LC3-II/LC3-I protein levels in mitochondria were measured by western blotting (n = 3 from independent experiments). C C17.2 cells were double IF-stained with LC3-labelled autophagosomes (green) and TOMM20-labelled mitochondria (red). Nuclei were counterstained with DAPI. Scale bar = 10 μ m. D, E Nnt, Bax/Bcl-2, cleaved Caspase 9, and cleaved Caspase 3 protein levels were analysed by western blotting (n = 3 independent experiments). F, G PINK1, PRKN and LC3-II/LC3-I protein levels in mitochondria were analysed by western blotting under different transfection conditions in C17.2 cells (n = 3 from independent experiments). H, I Nnt, cleaved Caspase 9, cleaved Caspase 3, and Bax/Bcl-2 protein levels were analysed by western blotting under different transfection conditions in C17.2 cells (n = 3 from independent experiments). GAPDH or VDAC1 was used as a loading control. Data are expressed as the mean \pm SD. Statistical comparisons were performed using Student's t tests in (A, B, D and E); one-way ANOVA in (F and G). *P < 0.05; **P < 0.01; "ns" represents no significance vs. the indicated group. Image collected and cropped by CiteAb from the following open publication (<https://pubmed.ncbi.nlm.nih.gov/39827160>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



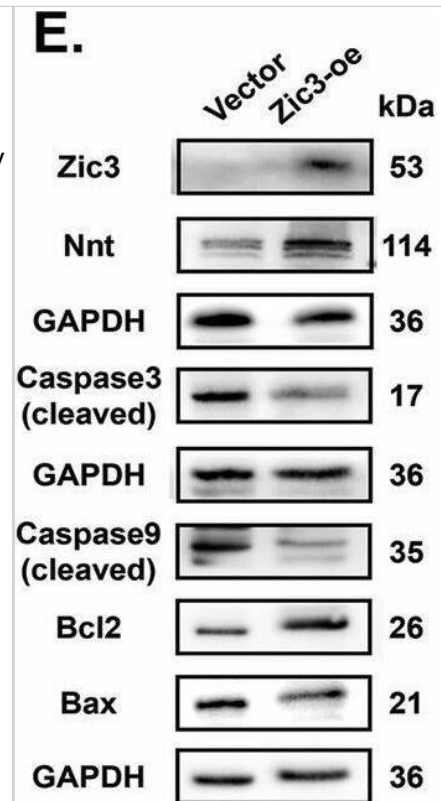
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Novus Biologicals USA

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

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| | |
|--------------------|---|
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| NB7160 | Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP] |
| NBP2-24891 | Rabbit IgG Isotype Control |
| H00007547-P01-10ug | Recombinant Human ZIC3 GST (N-Term) Protein |

Limitations

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