

Product Datasheet

ZNF276 Antibody - BSA Free

NBP1-82681

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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NBP1-82681

ZNF276 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

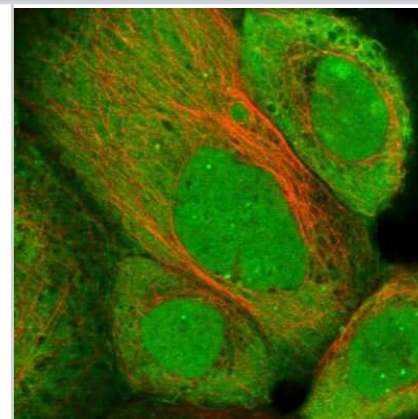
Product Description	
Description	Novus Biologicals Rabbit ZNF276 Antibody - BSA Free (NBP1-82681) is a polyclonal antibody validated for use in IHC and ICC/IF. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	92822
Gene Symbol	ZNF276
Species	Human
Reactivity Notes	Immunogen displays the following percentage of sequence identity for non-tested species: Mouse (88%), Rat (89%)
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: VKDEFSDLSEGDVLSSEEDNDKKQNAQSSDESFPYPERKVS GKKSESKEAKK SEEPRI RKKPGPKPGWKKKLCEREELPTIY

Product Application Details	
Applications	Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Immunohistochemistry 1:1000 - 1:2500, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:1000 - 1:2500
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF Fixation Permeabilization: Use PFA/Triton X-100.

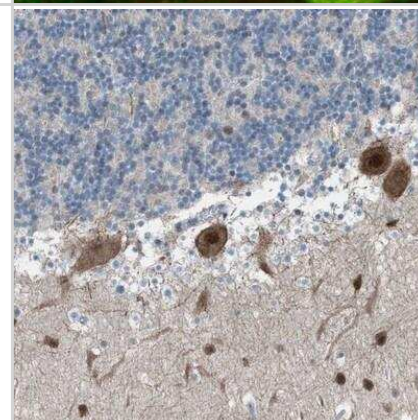


Images

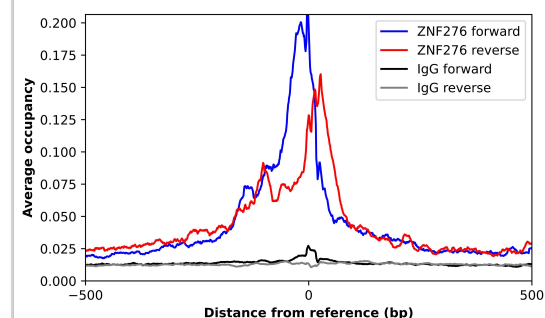
Immunocytochemistry/Immunofluorescence: ZNF276 Antibody [NBP1-82681] - Staining of human cell line A-431 shows positivity in nucleoli, cytoplasm, cell junctions & nucleus but excluded from the nucleoli.



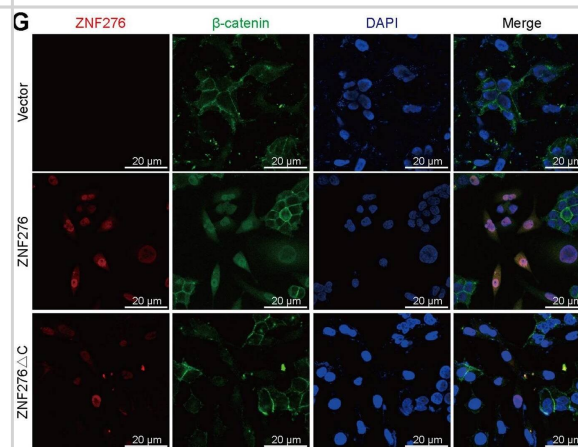
Immunohistochemistry-Paraffin: ZNF276 Antibody [NBP1-82681] - Staining of human cerebellum shows nuclear and cytoplasmic positivity in Purkinje and molecular layer cells.



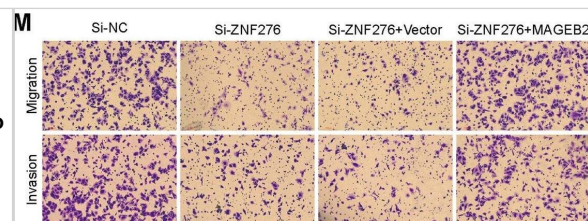
ChIP-Exo-Seq composite graph for Anti-ZNF276 (NBP1-82681) tested in K562 cells. Strand-specific reads (blue: forward, red: reverse) and IgG controls (black: forward, grey: reverse) are plotted against the distance from a composite set of reference binding sites. The antibody exhibits robust target enrichment compared to a non-specific IgG control and precisely reveals its structural organization around the binding site. Data generated by Prof. B. F. Pugh's Lab at Cornell University.



ZNF276 activates the Wnt/ β -catenin signaling by regulation of CYP1B1. A, C Western blotting (A) and RT-qPCR (C) analysis revealed that silencing of CYP1B1 inhibited the expression of c-Myc and Cyclin D1 enhanced by ZNF276 overexpression in MDA-MB-231 cells. B, D Effects of ZNF276 knockdown and CYP1B1 overexpression on c-Myc and Cyclin D1 expression were analyzed in UACC-812 cells by western blotting (B) and RT-qPCR (D). E, F ZNF276 lacking C2H2 domain inhibited the TOP Flash activity enhanced by the intact ZNF276 with wnt3a activation in MDA-MB-231 (E) and UACC-812 (F) cells. G Endogenous β -catenin expression and distribution was observed by immunofluorescence in MDA-MB-231 cells transfected with intact ZNF276 or ZNF276 lacking C2H2 domain plasmid. Nuc nuclear. Bar = 20 μ m. * $p < 0.05$; ** $p < 0.01$; *** $p < 0.001$. Image collected and cropped by CiteAb from the following open publication (<https://pubmed.ncbi.nlm.nih.gov/36085146>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



ZNF276 activates Wnt/ β -catenin signaling through recruitment of MAGEB2 to regulate CYP1B1 transcription. A GO analysis of the potential ZNF276-interacted proteins. B KEGG analysis of the potential ZNF276-interacted proteins. C, D Both forward (C) and reverse (D) co-IP analysis affirmed the interaction between ZNF276 and MAGEB2. E ChIP-PCR analysis of ZNF276 binding ability at the CYP1B1 promoter affected by MAGEB2 overexpression. F, G The luciferase activity of CYP1B1 promoter decreased by ZNF276 silencing was further enhanced by the expression of MAGEB2 in 293T and MCF-7. H, I RT-qPCR (H) and western blot (I) analysis confirmed the effect of MAGEB2 overexpression in CYP1B1 mRNA and protein expression in MCF-7 cells. J, K The reduced transcriptional activity of CYP1B1 promoter by ZNF276 was partially reversed by MAGEB2. L, M Overexpression of MAGEB2 reversed the decreased cell proliferation, migration and invasion abilities affected by ZNF276 silencing in CCK-8 assay (L), transwell migration (M, up) and transwell invasion (M, down). Image collected and cropped by CiteAb from the following open publication (<https://pubmed.ncbi.nlm.nih.gov/36085146>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.





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Products Related to NBP1-82681

NBP1-82681PEP	ZNF276 Recombinant Protein Antigen
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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