

Product Datasheet

B7-H3/CD276 Antibody - BSA Free **NBP1-88966**

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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NBP1-88966

B7-H3/CD276 Antibody - BSA Free

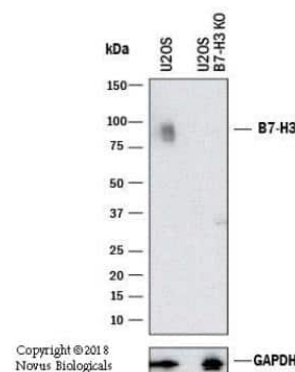
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	PBS (pH 7.2) and 40% Glycerol

Product Description	
Host	Rabbit
Gene ID	80381
Gene Symbol	CD276
Species	Human
Reactivity Notes	Immunogen displays the following percentage of sequence identity for non-tested species: Mouse (89%), Rat (89%)
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: EVQVPEDPVVALVGTDLCCSFSPPEPGFSLAQLNLIWQLTDTKQLVHSFAEG QDQGSAYANRTALFPDLLAQGNASLRLQRVVADEGSFTCFVSIRDFG

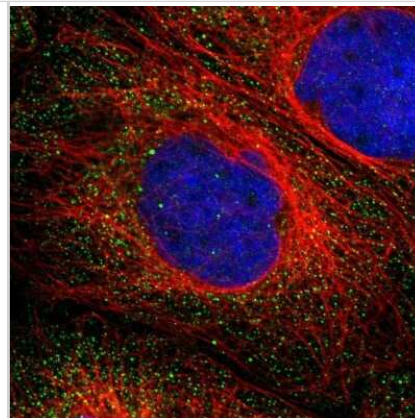
Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Knockout Validated
Recommended Dilutions	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:50 - 1:200, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:50 - 1:200, Knockout Validated
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF Fixation Permeabilization: Use PFA/Triton X-100.

Images

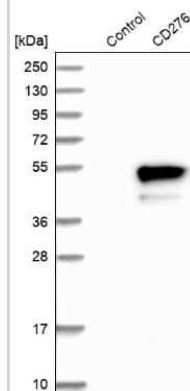
Western Blot: B7-H3/CD276 Antibody [NBP1-88966] - Western blot shows lysates of U2OS human bone osteosarcoma parental cell line and B7-H3 knockout (KO) U2OS cell line. PVDF membrane was probed with 0.5 ug/mL of Rabbit Anti-Human B7-H3 Polyclonal Antibody (Catalog # NBP1-88966) followed by HRP-conjugated Anti-Rabbit IgG Secondary Antibody (Catalog #HAF008). Specific band was detected for B7-H3 at approximately 95 kDa (as indicated) in the parental U2OS cell line, but is not detectable in the knockout U2OS cell line. This experiment was conducted under reducing conditions.



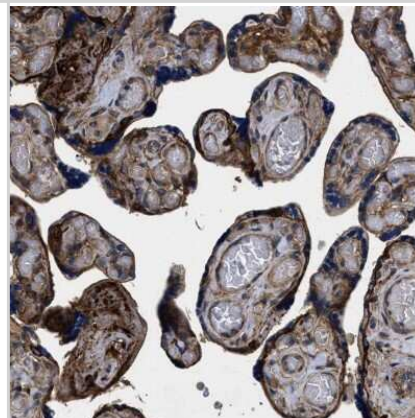
Immunocytochemistry/Immunofluorescence: B7-H3/CD276 Antibody [NBP1-88966] - Staining of human cell line A-431 shows localization to vesicles. Antibody staining is shown in green.



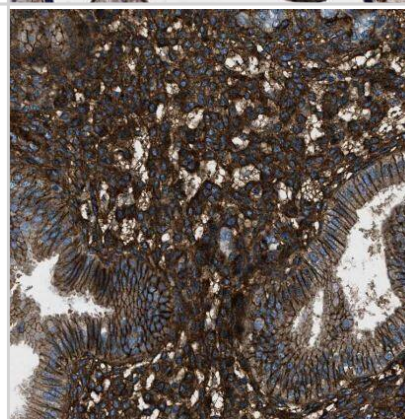
Western Blot: B7-H3/CD276 Antibody [NBP1-88966] - Analysis in control (vector only transfected HEK293T lysate) and CD276 over-expression lysate (Co-expressed with a C-terminal myc-DDK tag (3.1 kDa) in mammalian HEK293T cells).



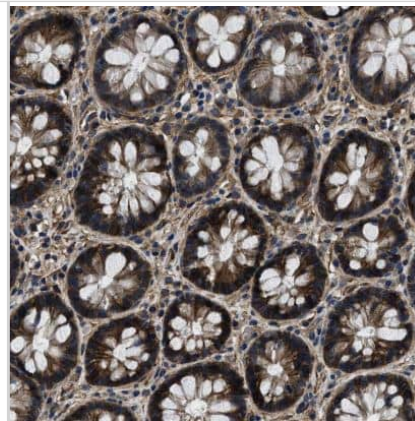
Immunohistochemistry-Paraffin: B7-H3/CD276 Antibody [NBP1-88966] - Staining of human placenta shows high expression.



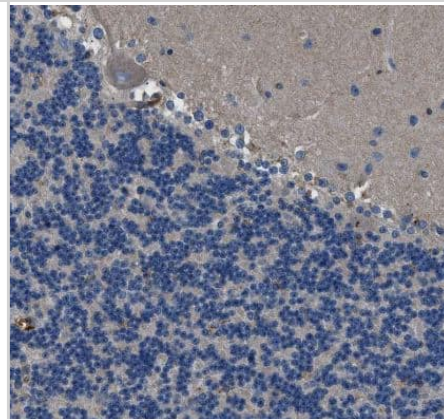
Immunohistochemistry-Paraffin: B7-H3/CD276 Antibody [NBP1-88966] - Staining of human endometrium shows strong membranous positivity in glandular cells.



Immunohistochemistry-Paraffin: B7-H3/CD276 Antibody [NBP1-88966] - Staining of human rectum shows strong cytoplasmic positivity in glandular cells.



Immunohistochemistry-Paraffin: B7-H3/CD276 Antibody [NBP1-88966] - Staining of human cerebellum shows negative cytoplasmic positivity in Purkinje cells as expected.



Publications

Li S, Poolen GC, van Vliet LC et al. Pediatric medulloblastoma express immune checkpoint B7-H3 Clinical & translational oncology : official publication of the Federation of Spanish Oncology Societies and of the National Cancer Institute of Mexico 2022-01-05 [PMID: 34988920] (IHC-P, Human)

Lemke D, Pfenning PN, Sahm F et al. Costimulatory protein 4lgB7H3 drives the malignant phenotype of glioblastoma by mediating immune escape and invasiveness. Clin Cancer Res 2012-01-01 [PMID: 22080438]



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

Products Related to NBP1-88966

NBP1-88966PEP	B7-H3/CD276 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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