

Product Datasheet

EGFR Antibody - BSA Free

NBP1-84814

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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Publications: 4

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NBP1-84814

EGFR 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

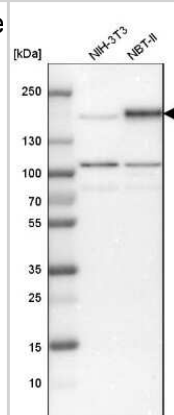
Product Description	
Description	Novus Biologicals Rabbit EGFR Antibody - BSA Free (NBP1-84814) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. Anti-EGFR Antibody: Cited in 3 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	1956
Gene Symbol	EGFR
Species	Human, Mouse, Rat
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids 1019-1168 of human EGFR's cytoplasmic domain (UniProtKB - P00533): QQGFFSSPSTSRTPLLSSLSATSNNSTVACIDRNLQSCPIKEDSFLQRYSSDP TGALTEDSIDDFTFLPVPEYINQSVPKRPAGSVQNPVYHNQPLNPAPSRDPHYQ DPHSTAVGNPEYLNTVQPTCVNSTFDSPAHWAKGSHQISLD

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:200 - 1:500, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:200 - 1:500
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF Fixation Permeabilization: Use PFA/Triton X-100.

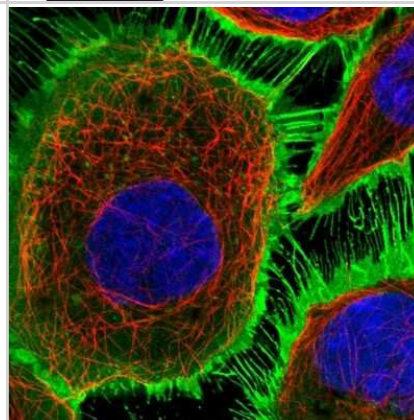


Images

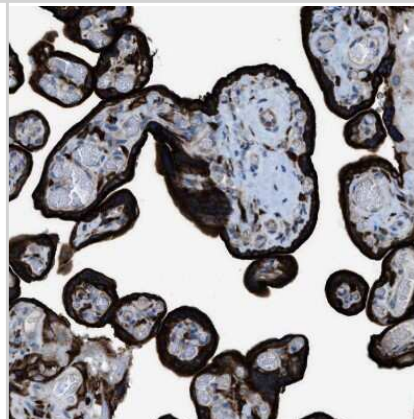
Western Blot: EGFR Antibody [NBP1-84814] - Analysis in mouse cell line NIH-3T3 and rat cell line NBT-II.



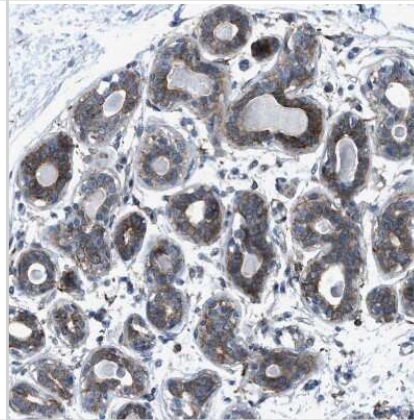
Immunocytochemistry/Immunofluorescence: EGFR Antibody [NBP1-84814] - Staining of human cell line A-431 shows positivity in plasma membrane. Antibody staining is shown in green.



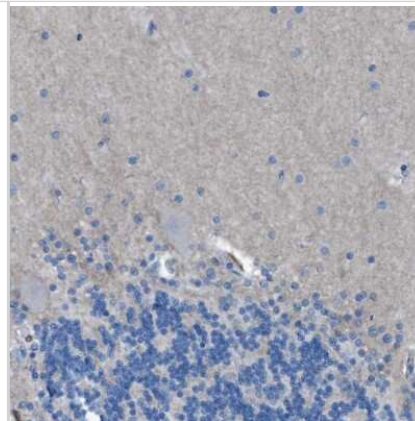
Immunohistochemistry-Paraffin: EGFR Antibody [NBP1-84814] - Staining of human placenta shows strong membranous positivity in trophoblastic cells.



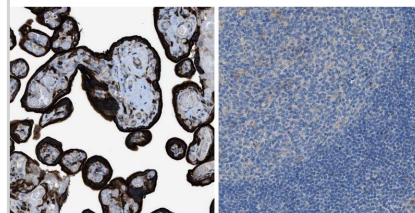
Immunohistochemistry-Paraffin: EGFR Antibody [NBP1-84814] - Staining of human breast shows moderate cytoplasmic positivity in glandular cells.



Immunohistochemistry-Paraffin: EGFR Antibody [NBP1-84814] - Staining of human cerebellum shows no positivity in Purkinje cells as expected.

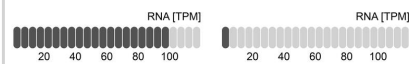


Analysis in human placenta and tonsil tissues using HPA018530 antibody. Corresponding EGFR RNA-seq data are presented for the same tissues.

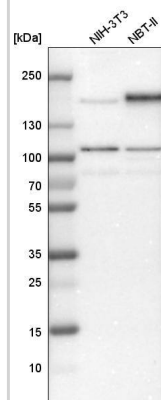


EGFR in Placenta

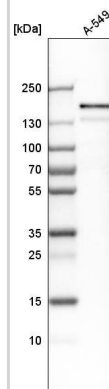
EGFR in Tonsil



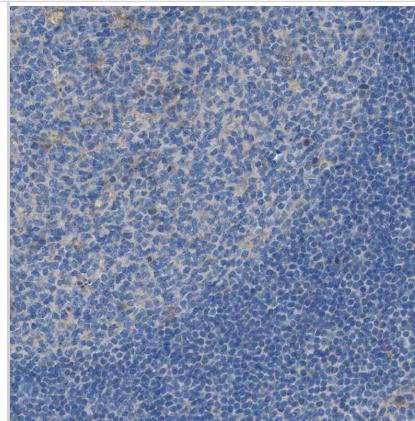
Analysis in mouse cell line NIH-3T3 and rat cell line NBT-II.



Analysis in human cell line A-549.



Staining of human tonsil shows very weak positivity in germinal center cells as expected.



Publications

Sudri S, Allon I, Kaplan I et al. Gold-Nanoparticles Reflectance Discriminates Benign from Malignant Salivary Gland Neoplasms. *Journal of clinical medicine* 2025-03-01 [PMID: 40095737]

Balaji V, Haverkamp S, Seth PK et al. Immunohistochemical characterization of bipolar cells in four distantly related avian species *The Journal of comparative neurology* 2022-12-22 [PMID: 36550622] (IHC, Avian, Pigeon, Chicken)

Luke GP, Myers JN, Emelianov SY, Sokolov KV. Sentinel lymph node biopsy revisited: ultrasound-guided photoacoustic detection of micrometastases using molecularly targeted plasmonic nanosensors. *Cancer Res* 2014-10-01 [PMID: 25106426] (IF/IHC, Mouse)

Arabi A, Ullah K, Branca RM et al. Proteomic screen reveals Fbw7 as a modulator of the NF-kappa pathway. *Nat Commun* 2012-01-01 [PMID: 22864569]



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 NBP1-84814

NBP1-84814PEP	EGFR 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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