

Product Datasheet

EGFR Antibody (PD00-75) NBP3-32255

Unit Size: 100 ul

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

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Updated 8/7/2025 v.20.1

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NBP3-32255

EGFR Antibody (PD00-75)

Product Information

Unit Size	100 ul
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	PD00-75
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Protein A purified
Buffer	PBS (pH7.4), 0.1% BSA and 40% Glycerol
Target Molecular Weight	134 kDa

Product Description

Host	Rabbit
Gene ID	1956
Gene Symbol	EGFR
Species	Human
Immunogen	Synthetic peptide corresponding to C-terminus of human EGFR protein. (Uniprot: P00533)

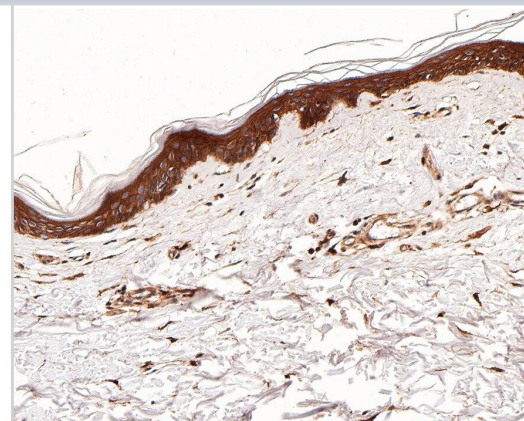
Product Application Details

Applications	Western Blot, Immunohistochemistry-Paraffin, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 1:2000, Flow Cytometry 1:1000, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1:500, Immunohistochemistry-Paraffin 1:800

Images

Immunohistochemistry: EGFR Antibody (PD00-75) [NBP3-32255] - Immunohistochemical analysis of paraffin-embedded human skin tissue with Rabbit anti-EGFR antibody (NBP3-32255) at 1/800 dilution.

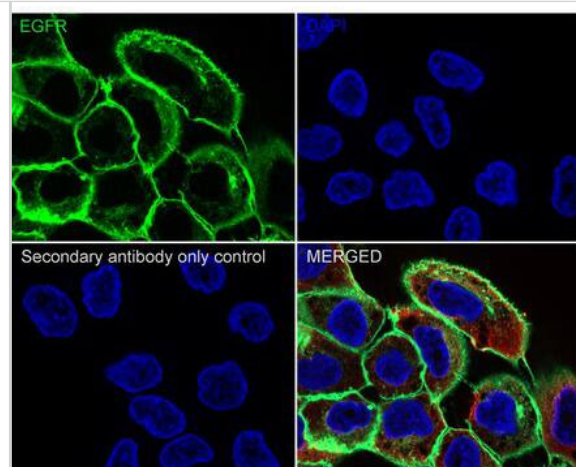
The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 20 minutes. The tissues were blocked in 1% BSA for 20 minutes at room temperature, washed with ddH₂O and PBS, and then probed with the primary antibody (NBP3-32255) at 1/800 dilution for 1 hour at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX.



Immunocytochemistry/ Immunofluorescence: EGFR Antibody (PD00-75) [NBP3-32255] - Immunocytochemistry analysis of A431 cells labeling EGFR with Rabbit anti-EGFR antibody (NBP3-32255) at 1/500 dilution.

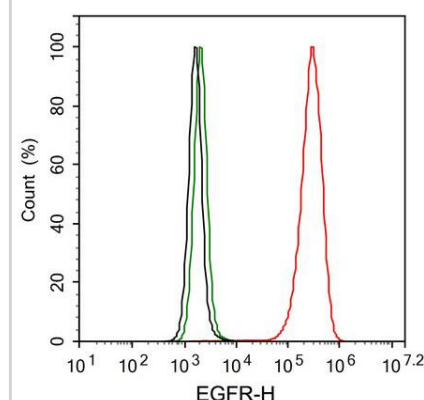
Cells were fixed in 4% paraformaldehyde for 20 minutes at room temperature, permeabilized with 0.1% Triton X-100 in PBS for 5 minutes at room temperature, then blocked with 1% BSA in 10% negative goat serum for 1 hour at room temperature. Cells were then incubated with Rabbit anti-EGFR antibody at 1/500 dilution in 1% BSA in PBST overnight at 4 °C. Goat Anti-Rabbit IgG H&L (iFluor™ 488) was used as the secondary antibody at 1/1,000 dilution. PBS instead of the primary antibody was used as the secondary antibody only control. Nuclear DNA was labelled in blue with DAPI.

Beta tubulin (red) was stained at 1/100 dilution overnight at +4 °C. Goat Anti-Mouse IgG H&L (iFluor™ 594) was used as the secondary antibody at 1/1,000 dilution.



Flow Cytometry: EGFR Antibody (PD00-75) [NBP3-32255] - Flow cytometric analysis of A431 cells labeling EGFR.

Cells were fixed and permeabilized. Then stained with the primary antibody (NBP3-32255, red) at 1/1,000 dilution, compared with Rabbit IgG Isotype Control (green). After incubation of the primary antibody at +4 °C for an hour, the cells were stained with an iFluor™ 488 conjugate-Goat anti-Rabbit IgG Secondary antibody at 1/1,000 dilution for 30 minutes at +4 °C. Unlabeled sample was used as a control (cells without incubation with primary antibody; black).



Western Blot: EGFR Antibody (PD00-75) [NBP3-32255] - Western blot analysis of EGFR on different lysates with Rabbit anti-EGFR antibody (NBP3-32255) at 1/2,000 dilution.

Lane 1: HeLa cell lysate
Lane 2: A431 cell lysate
Lane 3: MDA-MB-468 cell lysate
Lane 4: MCF7 cell lysate (low expression)

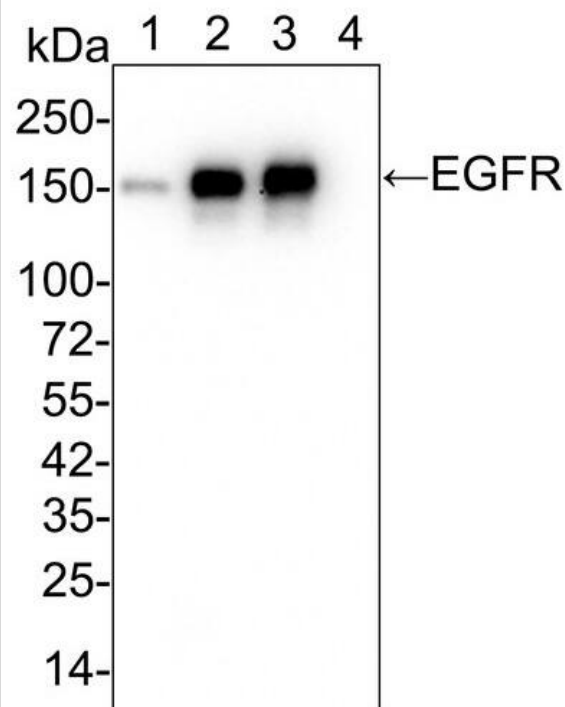
Lysates/proteins at 15 µg/Lane.

Predicted band size: 134 kDa
Observed band size: 150 kDa

Exposure time: 21 seconds;

4-20% SDS-PAGE gel.

Proteins were transferred to a PVDF membrane and blocked with 5% NFDM/TBST for 1 hour at room temperature. The primary antibody at 1/2,000 dilution was used in 5% NFDM/TBST at 4 °C overnight. Goat Anti-Rabbit IgG - HRP Secondary Antibody at 1/50,000 dilution was used for 1 hour at room temperature.





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Products Related to NBP3-32255

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP2-52952PEP	EGFR Recombinant Protein Antigen

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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