

Product Datasheet

E-Cadherin Antibody (SY0287)

NBP3-32290

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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NBP3-32290

E-Cadherin Antibody (SY0287)

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	SY0287
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Protein A purified
Buffer	1*TBS (pH7.4), 0.05% BSA and 40% Glycerol
Target Molecular Weight	97 kDa

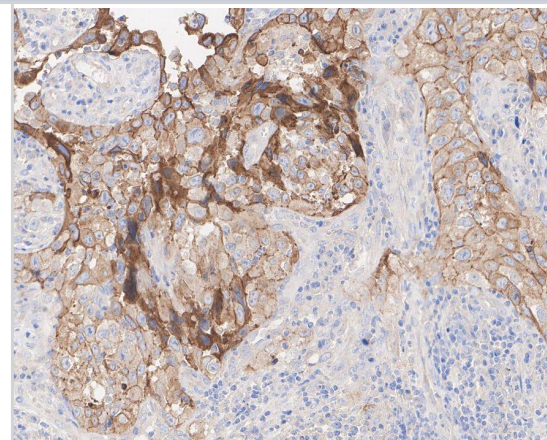
Product Description	
Host	Rabbit
Gene ID	999
Gene Symbol	CDH1
Species	Human
Immunogen	Synthetic peptide within human E-Cadherin aa 580-630 (Extracellular). (Uniprot: P12830)

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunoprecipitation
Recommended Dilutions	Western Blot 1:5000, Flow Cytometry 1:1000, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1:2000-1:200, Immunoprecipitation Use at an assay dependent concentration, Immunohistochemistry-Paraffin 1:200

Images

Immunohistochemistry: E-Cadherin Antibody (SY0287) [NBP3-32290] - Immunohistochemical analysis of paraffin-embedded human lung carcinoma tissue with Rabbit anti-E-Cadherin antibody (NBP3-32290) at 1/200 dilution.

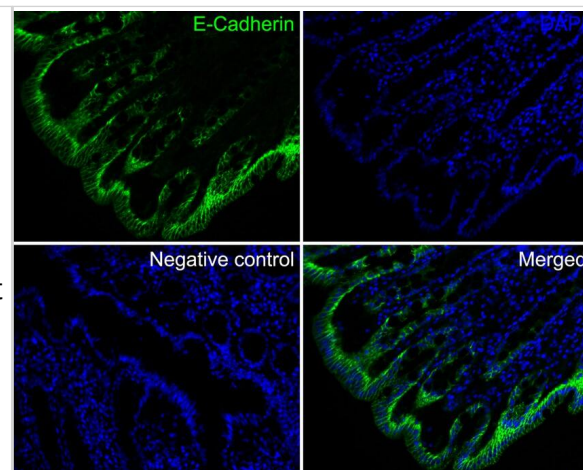
The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 20 minutes. The tissues were blocked in 1% BSA for 20 minutes at room temperature, washed with ddH₂O and PBS, and then probed with the primary antibody (NBP3-32290) at 1/200 dilution for 1 hour at room 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.



Immunohistochemistry: E-Cadherin Antibody (SY0287) [NBP3-32290] - Immunofluorescence analysis of paraffin-embedded human colon tissue labeling E-Cadherin with Rabbit anti-E-Cadherin antibody (NBP3-32290) at 1/50 dilution.

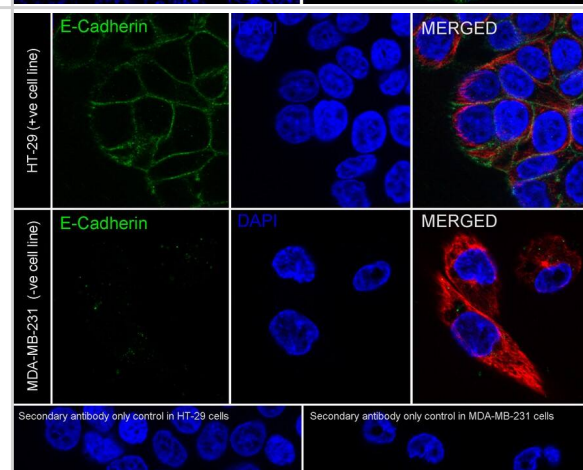
The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 20 minutes. The tissues were blocked in 10% negative goat serum for 1 hour at room temperature, washed with PBS, and then probed with the primary antibody (NBP3-32290, green) at 1/50 dilution overnight at 4 °C, washed with PBS.

Goat Anti-Rabbit IgG H&L (iFluor™ 488) was used as the secondary antibody at 1/1,000 dilution. Nuclei were counterstained with 33258 (blue).



Immunocytochemistry/ Immunofluorescence: E-Cadherin Antibody (SY0287) [NBP3-32290] - Immunocytochemistry analysis of HT-29 (positive) and MDA-MB-231 (negative) cells labeling E-Cadherin with Rabbit anti-E-Cadherin antibody (NBP3-32290) at 1/2,000 dilution.

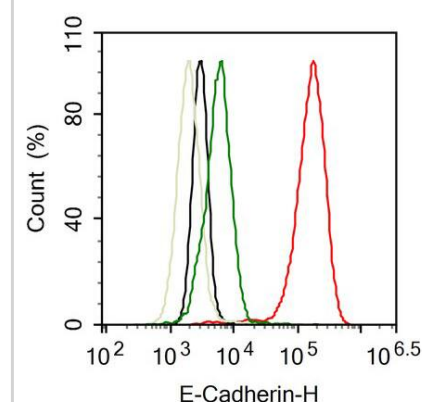
Cells were fixed in 4% paraformaldehyde for 20 minutes at room temperature, permeabilized with 0.1% Triton X-100 in PBS for 5 minutes at room temperature, then blocked with 1% BSA in 10% negative goat serum for 1 hour at room temperature. Cells were then incubated with Rabbit anti-E-Cadherin antibody (NBP3-32290) at 1/2,000 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: E-Cadherin Antibody (SY0287) [NBP3-32290] - Flow cytometric analysis of HT-29 (positive, red) and MDA-MB-231 (negative, green) cells labeling E-Cadherin.

Cells were fixed and permeabilized. Then stained with the primary antibody (NBP3-32290, red) at 1/1,000 dilution, compared with Rabbit IgG Isotype Control (HT-29 black, MDA-MB-231 light 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.



Western Blot: E-Cadherin Antibody (SY0287) [NBP3-32290] - Western blot analysis of E-Cadherin on different lysates with Rabbit anti-E-Cadherin antibody (NBP3-32290) at 1/5,000 dilution.

Lane 1: MCF7 cell lysate

Lane 2: MDA-MB-231 cell lysate (negative)

Lane 3: HT-29 cell lysate

Lane 4: HCT 116 cell lysate

Lane 5: A431 cell lysate

Lane 6: Caco-2 cell lysate

Lysates/proteins at 20 µg/Lane.

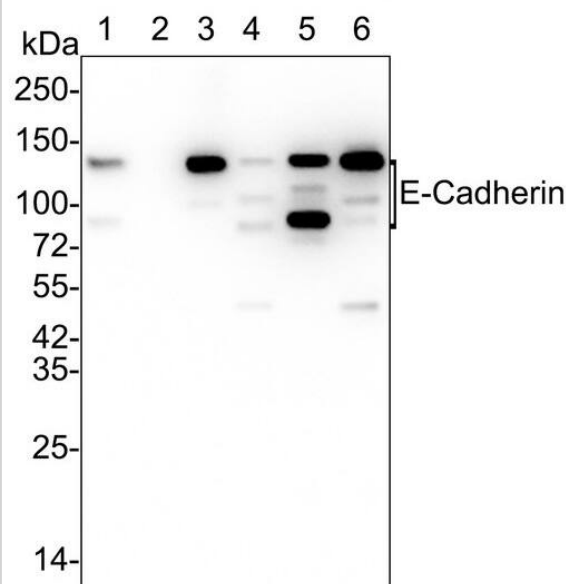
Predicted band size: 97 kDa

Observed band size: 80~120 kDa

Exposure time: 43 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 1/5,000 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 NBP3-32290

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP1-84588PEP	E-Cadherin 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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