

# Product Datasheet

## EpCAM/TROP1 Antibody (PS01-69) NBP3-32310

Unit Size: 100  $\mu$ l

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

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**NBP3-32310**

EpCAM/TROP1 Antibody (PS01-69)

**Product Information**

|                                |  |
|--------------------------------|--|
| <b>Unit Size</b>               | 100 ul   |
| <b>Concentration</b>           | 1 mg/ml  |
| <b>Storage</b>                 | Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles. |
| <b>Clonality</b>               | Monoclonal   |
| <b>Clone</b>                   | PS01-69  |
| <b>Preservative</b>            | 0.05% Sodium Azide   |
| <b>Isotype</b>                 | IgG  |
| <b>Purity</b>                  | Protein A purified   |
| <b>Buffer</b>                  | PBS (pH7.4), 0.1% BSA and 40% Glycerol   |
| <b>Target Molecular Weight</b> | 35 kDa   |

**Product Description**

|                    |                                      |
|--------------------|--------------------------------------|
| <b>Host</b>        | Rabbit                               |
| <b>Gene ID</b>     | 4072                                 |
| <b>Gene Symbol</b> | EPCAM                                |
| <b>Species</b>     | Human                                |
| <b>Immunogen</b>   | Synthetic peptide. (Uniprot: P16422) |

**Product Application Details**

|                              |   |
|------------------------------|---|
| <b>Applications</b>          | Immunohistochemistry-Paraffin, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry                          |
| <b>Recommended Dilutions</b> | Flow Cytometry 1:500-1:1000, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1:100, Immunohistochemistry-Paraffin 1:200 |

## Images

Immunohistochemistry: EpCAM/TROP1 Antibody (PS01-69) [NBP3-32310] - Immunohistochemical analysis of paraffin-embedded human colon tissue with Rabbit anti-EpCAM/TROP1 antibody (NBP3-32310) 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 ddH<sub>2</sub>O and PBS, and then probed with the primary antibody (NBP3-32310) 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.

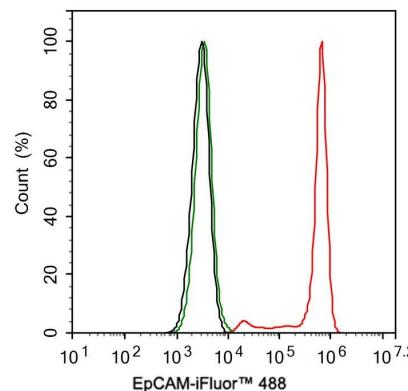
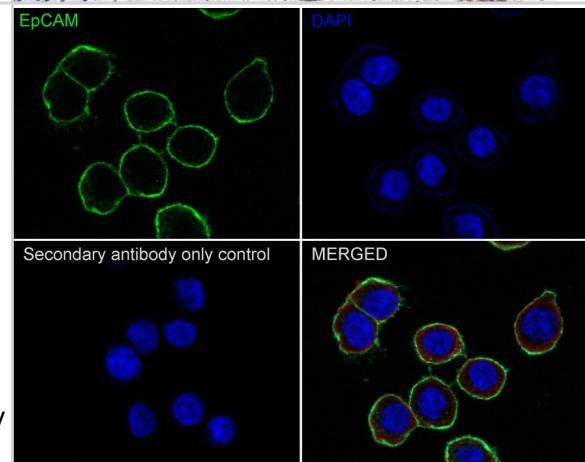
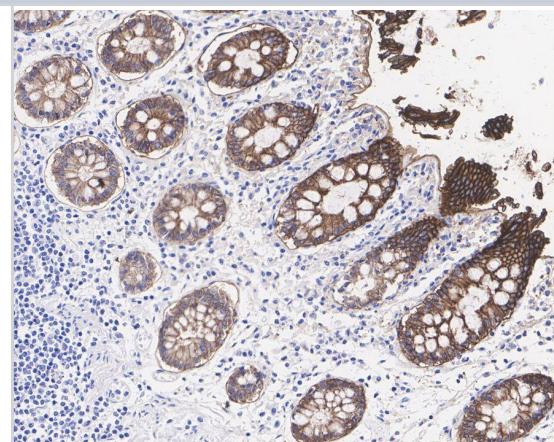
Immunocytochemistry/ Immunofluorescence: EpCAM/TROP1 Antibody (PS01-69) [NBP3-32310] - Immunocytochemistry analysis of HT-29 cells labeling EpCAM/TROP1 with Rabbit anti-EpCAM/TROP1 antibody (NBP3-32310) at 1/100 dilution.

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-EpCAM/TROP1 antibody (NBP3-32310) at 1/100 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: EpCAM/TROP1 Antibody (PS01-69) [NBP3-32310] - Flow cytometric analysis of HT-29 cells labeling EpCAM/TROP1.

Cells were washed twice with cold PBS and resuspend. Then stained with the primary antibody (NBP3-32310, 1ug/ml) (red) compared with Rabbit IgG Isotype Control (green). After incubation of the primary antibody at +4 °C for an hour, the cells were stained with a iFluor™ 488 conjugate-Goat anti-Rabbit IgG Secondary antibody at 1/1,000 dilution for 30 minutes at +4 °C. Unlabelled sample was used as a control (cells without incubation with primary antibody; black).





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## Products Related to NBP3-32310

|                   |   |
|-------------------|---|
| HAF008            | Goat anti-Rabbit IgG Secondary Antibody [HRP]       |
| NB7160            | Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP] |
| NBP2-24891        | Rabbit IgG Isotype Control                          |
| NBP2-52190-0.05mg | Recombinant Human EpCAM/TROP1 His Protein           |

## 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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