

Product Datasheet

MUC2 Antibody (JA10-92) NBP2-66961

Unit Size: 100 ul

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

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NBP2-66961**MUC2 Antibody (JA10-92)**

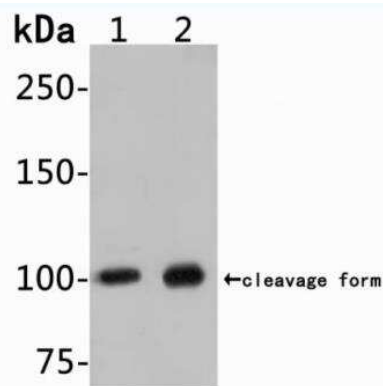
| Product Information | |
|--------------------------------|--|
| Unit Size | 100 ul |
| Concentration | 1 mg/ml |
| Storage | Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles. |
| Clonality | Monoclonal |
| Clone | JA10-92 |
| Preservative | 0.05% Sodium Azide |
| Isotype | IgG |
| Purity | Protein A purified |
| Buffer | TBS (pH7.4), 0.05% BSA, 40% Glycerol |
| Target Molecular Weight | 540 kDa |

| Product Description | |
|--------------------------------|---|
| Host | Rabbit |
| Gene ID | 4583 |
| Gene Symbol | MUC2 |
| Species | Human |
| Specificity/Sensitivity | MUC2 Antibody (JA10-91) is tissue specific for colon, small intestine, colonic tumors, bronchus, cervix and gall bladder. |
| Immunogen | Synthetic peptide within Human MUC2 aa 5000-5049 / 5179. (SwissProt: Q02817 Human; SwissProt: Q62635 Rat) |

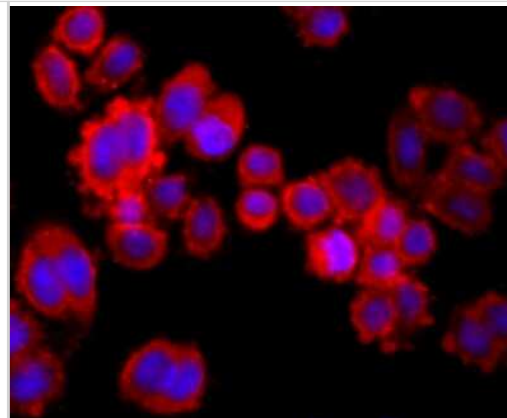
| Product Application Details | |
|------------------------------|---|
| Applications | Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin |
| Recommended Dilutions | Western Blot 1:500-1:1000, Flow Cytometry 1:50-1:100, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1:100-1:500, Immunohistochemistry-Paraffin 1:50-1:200 |

Images

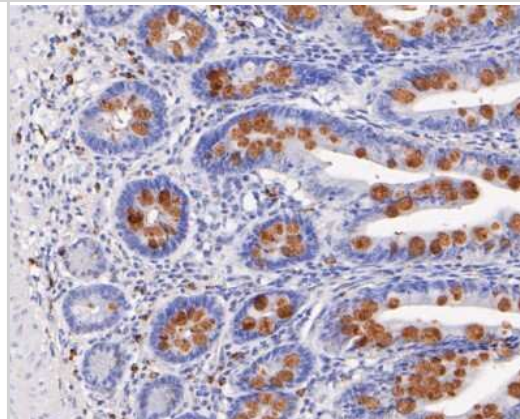
Western Blot: MUC2 Antibody (JA10-92) [NBP2-66961] - Analysis of MUC2 on different lysates. Proteins were transferred to a PVDF membrane and blocked with 5% BSA in PBS for 1 hour at room temperature. The primary antibody (1/500) was used in 5% BSA at room temperature for 2 hours. Goat Anti-Rabbit IgG - HRP Secondary Antibody at 1:5,000 dilution was used for 1 hour at room temperature. Positive control: Lane 1: SHSY-5Y cell lysate Lane 2: SKBR3 cell lysate



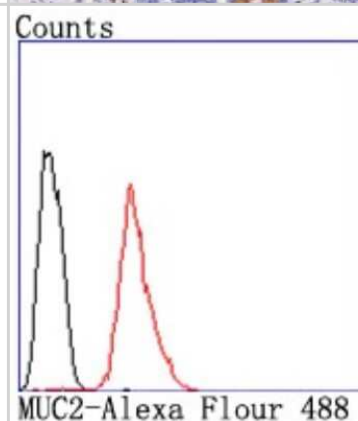
Immunocytochemistry/Immunofluorescence: MUC2 Antibody (JA10-92) [NBP2-66961] - Staining MUC2 in SW480 cells (red). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



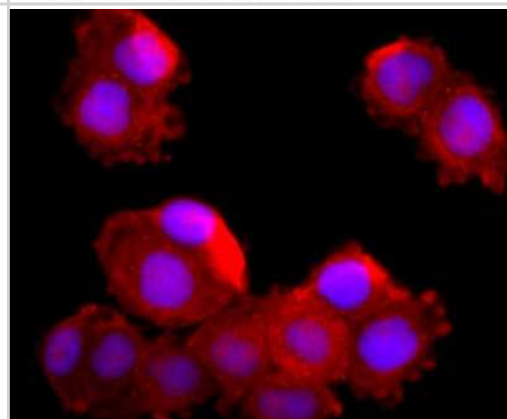
Immunohistochemistry-Paraffin: MUC2 Antibody (JA10-92) [NBP2-66961] - Immunohistochemical analysis of paraffin-embedded human small intestine tissue using anti-MUC2 antibody. The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 8.0-8.4) for 20 minutes. The tissues were blocked in 5% BSA for 30 minutes at room temperature, washed with ddH₂O and PBS, and then probed with the primary antibody (1/200) for 30 minutes 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.



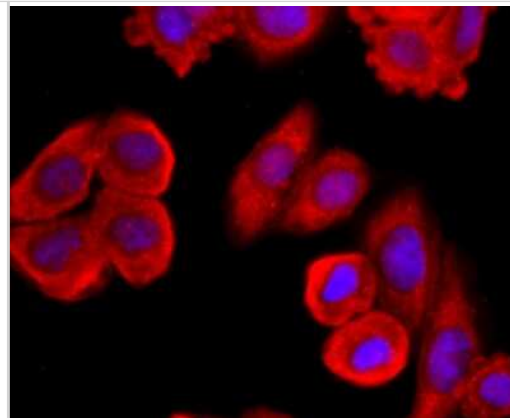
Flow Cytometry: MUC2 Antibody (JA10-92) [NBP2-66961] - Analysis of HeLa cells with MUC2 antibody at 1/50 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody.



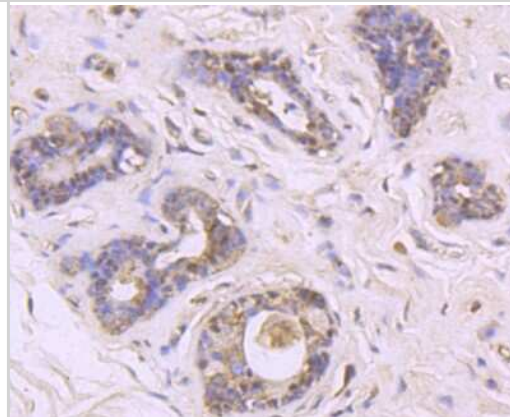
Immunocytochemistry/Immunofluorescence: MUC2 Antibody (JA10-92) [NBP2-66961] - Staining MUC2 in HeLa cells (red). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



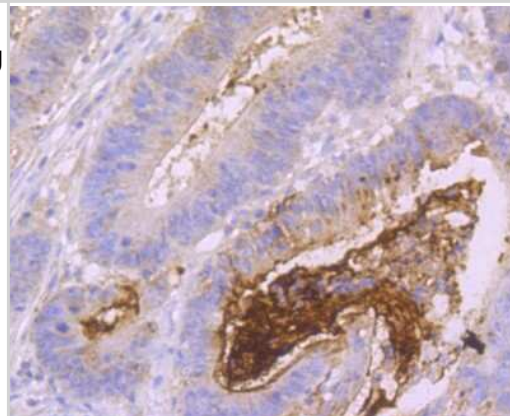
Immunocytochemistry/Immunofluorescence: MUC2 Antibody (JA10-92) [NBP2-66961] - Staining MUC2 in HepG2 cells (red). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



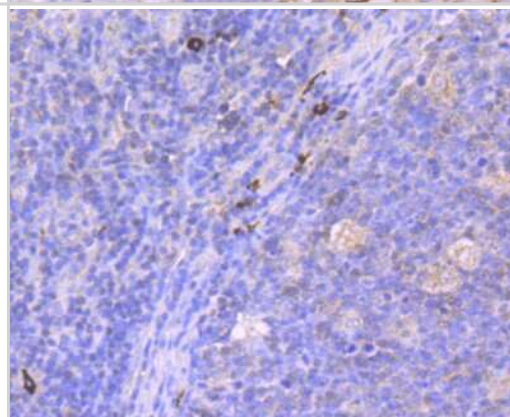
Immunohistochemistry-Paraffin: MUC2 Antibody (JA10-92) [NBP2-66961] - Analysis of paraffin-embedded human breast cancer tissue using anti-MUC2 antibody. Counter stained with hematoxylin.



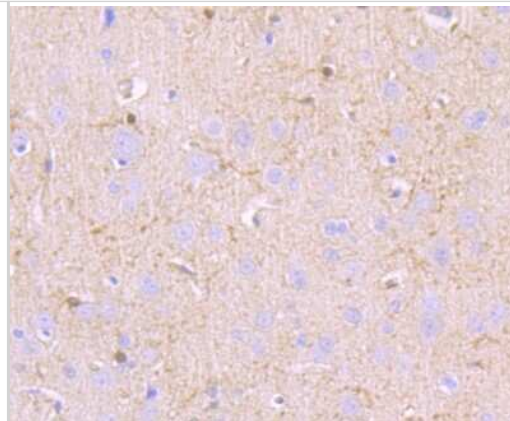
Immunohistochemistry-Paraffin: MUC2 Antibody (JA10-92) [NBP2-66961] - Analysis of paraffin-embedded human colon cancer tissue using anti-MUC2 antibody. Counter stained with hematoxylin.



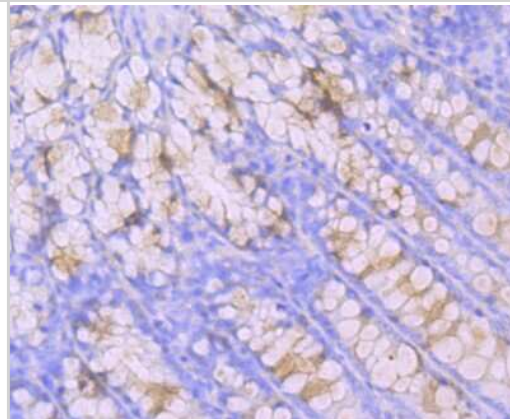
Immunohistochemistry-Paraffin: MUC2 Antibody (JA10-92) [NBP2-66961] - Analysis of paraffin-embedded human tonsil tissue using anti-MUC2 antibody. Counter stained with hematoxylin.



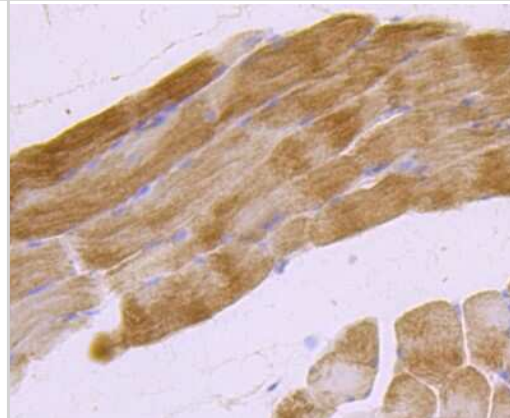
Immunohistochemistry-Paraffin: MUC2 Antibody (JA10-92) [NBP2-66961] - Analysis of paraffin-embedded rat brain tissue using anti-MUC2 antibody. Counter stained with hematoxylin.



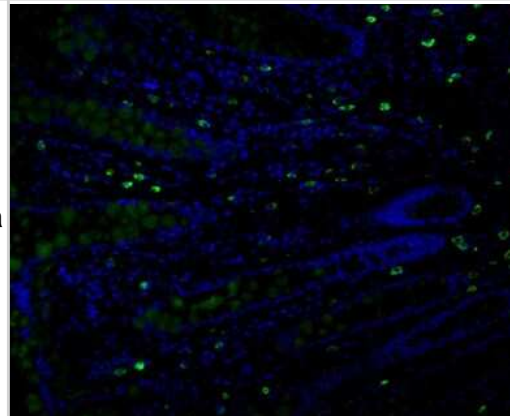
Immunohistochemistry-Paraffin: MUC2 Antibody (JA10-92) [NBP2-66961] - Analysis of paraffin-embedded rat intestine tissue using anti-MUC2 antibody. Counter stained with hematoxylin.



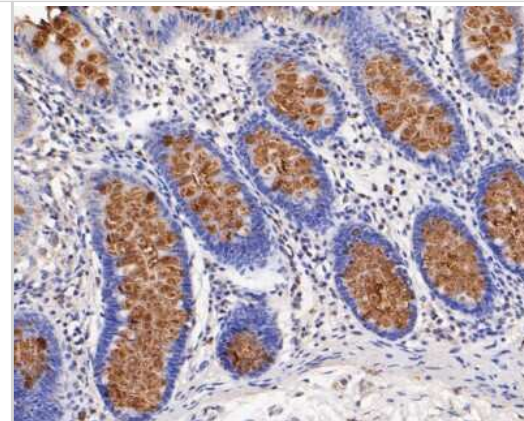
Immunohistochemistry-Paraffin: MUC2 Antibody (JA10-92) [NBP2-66961] - Analysis of paraffin-embedded rat skeletal muscle tissue using anti-MUC2 antibody. Counter stained with hematoxylin.



Immunohistochemistry-Paraffin: MUC2 Antibody (JA10-92) [NBP2-66961] - Immunofluorescence staining of paraffin- embedded human colon using anti-MUC2 rabbit polyclonal antibody. 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 at 1/100 dilution for 10 hours at 4C and detected using Alexa Fluor(R) 488 conjugate-Goat anti-Rabbit IgG (H+L) Secondary Antibody at a dilution of 1:500 for 1 hour at room temperature.



Immunohistochemistry-Paraffin: MUC2 Antibody (JA10-92) [NBP2-66961] - Immunohistochemical analysis of paraffin-embedded human colon tissue using anti-MUC2 antibody. The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 8.0-8.4) for 20 minutes. The tissues were blocked in 5% BSA for 30 minutes at room temperature, washed with ddH₂O and PBS, and then probed with the primary antibody (1/200) for 30 minutes 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.



Publications

Fois CAM, Schindeler A, Valtchev P, Dehghani F Dynamic flow and shear stress as key parameters for intestinal cells morphology and polarization in an organ-on-a-chip model Biomedical microdevices 2021-10-16 [PMID: 34655329] (ICC/IF)



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| | |
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| NB7160 | Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP] |
| NBP2-24891 | Rabbit IgG Isotype Control |
| 210-TA-005 | TNF-alpha [Unconjugated] |

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