

Product Datasheet

Connexin 45/GJC1 Antibody

NBP2-76925

Unit Size: 100 ul

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

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NBP2-76925**Connexin 45/GJC1 Antibody****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	Polyclonal
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	PBS (pH7.4), 0.2% BSA, 50% Glycerol
Target Molecular Weight	45 kDa

Product Description

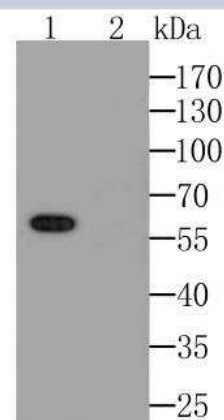
Host	Rabbit
Gene Symbol	GJC1
Species	Human, Mouse, Rat
Immunogen	Recombinant protein within Human Connexin 45/GJC1 aa 257-396 / 396. (SwissProt: P36383 Human; SwissProt: P28229 Mouse; SwissProt: A4GG66 Rat)

Product Application Details

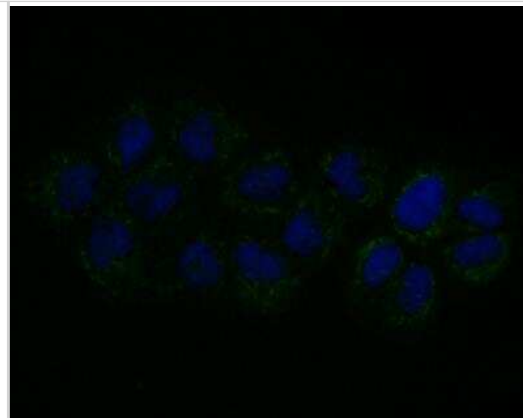
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1:500-1:1000, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1:500-1:100, Immunohistochemistry-Paraffin 1:50-1:100

Images

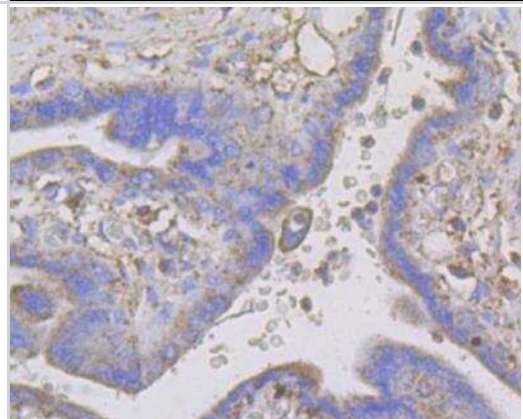
Western Blot: Connexin 45/GJC1 Antibody [NBP2-76925] - Western blot analysis of Connexin 45 / GJA7 / Cx45 on SH-SY5Y cell lysate. Proteins were transferred to a PVDF membrane and blocked with 5% BSA in PBS for 1 hour at room temperature. The primary antibody was used at a 1:1,000 dilution in 5% BSA at 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. Lane 1: Anti-Connexin-45 Antibody; Lane 2: Anti-Connexin-45 Antibody, pre-incubated with the immunization peptide.



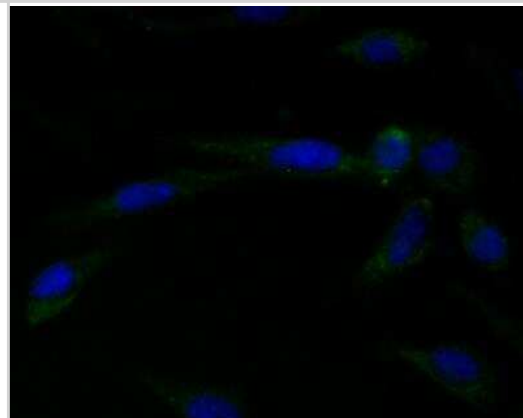
Immunocytochemistry/Immunofluorescence: Connexin 45/GJC1 Antibody [NBP2-76925] - ICC staining Connexin 45 in A431 cells (green). Formalin fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 10 minutes at room temperature and blocked with 1% Blocker BSA for 15 minutes at room temperature. Cells were probed with Connexin 45 antibody at a dilution of 1:100 for 1 hour at room temperature, washed with PBS. Alexa Fluor 488 Goat anti-Mouse IgG was used as the secondary antibody at 1/100 dilution. The nuclear counter stain is DAPI (blue).



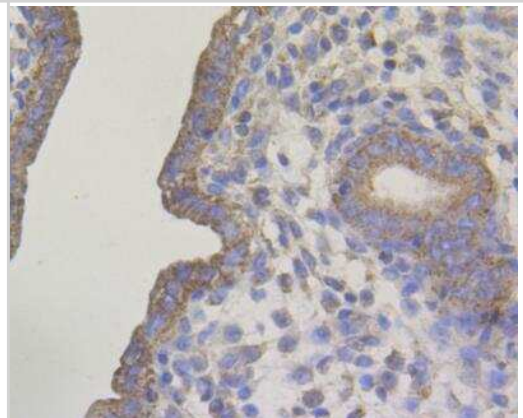
Immunohistochemistry: Connexin 45/GJC1 Antibody [NBP2-76925] - Immunohistochemical analysis of paraffin-embedded human placenta tissue using anti-Connexin 45 / GJA7 / Cx45 antibody. The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 8.0-8.4) for 20 minutes. The tissues were blocked in 5% BSA for 30 minutes at room temperature, washed with ddH₂O and PBS, and then probed with the antibody at 1/50 dilution, for 30 minutes at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. Counter stained with hematoxylin and mounted with DPX.



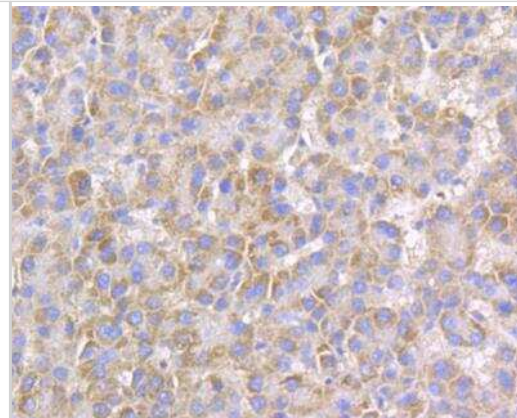
Immunocytochemistry/Immunofluorescence: Connexin 45/GJC1 Antibody [NBP2-76925] - ICC staining Connexin 45 in SH-SY5Y cells (green). Formalin fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 10 minutes at room temperature and blocked with 1% Blocker BSA for 15 minutes at room temperature. Cells were probed with Connexin 45 antibody at a dilution of 1:100 for 1 hour at room temperature, washed with PBS. Alexa Fluor 488 Goat anti-Mouse IgG was used as the secondary antibody at 1/100 dilution. The nuclear counter stain is DAPI (blue).



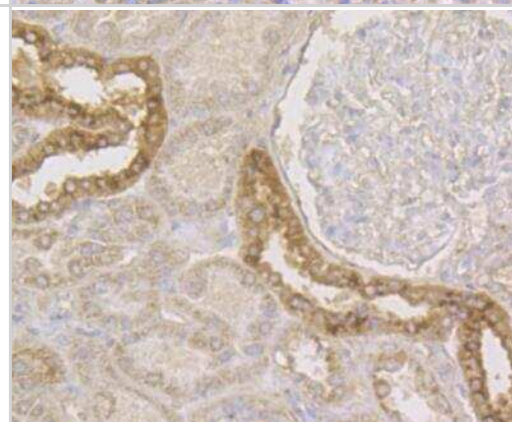
Immunohistochemistry: Connexin 45/GJC1 Antibody [NBP2-76925] - Immunohistochemical analysis of paraffin-embedded rat uterus tissue using anti-Connexin 45 / GJA7 / Cx45 antibody. The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 8.0-8.4) for 20 minutes. The tissues were blocked in 5% BSA for 30 minutes at room temperature, washed with ddH₂O and PBS, and then probed with the antibody at 1/50 dilution, for 30 minutes at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. Counter stained with hematoxylin and mounted with DPX.



Immunohistochemistry: Connexin 45/GJC1 Antibody [NBP2-76925] - Immunohistochemical analysis of paraffin-embedded human liver cancer tissue using anti-Connexin 45 / GJA7 / Cx45 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 antibody at 1/50 dilution, for 30 minutes at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. Counter stained with hematoxylin and mounted with DPX.



Immunohistochemistry: Connexin 45/GJC1 Antibody [NBP2-76925] - Immunohistochemical analysis of paraffin-embedded human kidney tissue using anti-Connexin 45 / GJA7 / Cx45 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 antibody at 1/50 dilution, for 30 minutes at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. Counter stained with hematoxylin and mounted with DPX.





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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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