Product Datasheet

Glucosylceramidase/GBA Antibody (JM10-76)
NBP2-66871

Unit Size: 100 ul

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

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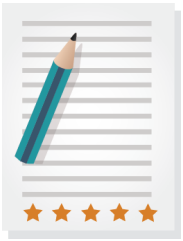


NBP2-66871

Glucosylceramidase/GBA Antibody (JM10-76)

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	JM10-76
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Protein A purified
Buffer	TBS (pH7.4), 0.05% BSA, 40% Glycerol

Product Description

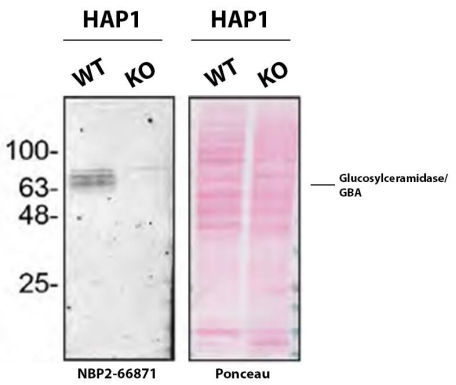
Description	Novus Biologicals Knockout (KO) Validated Rabbit Glucosylceramidase/GBA Antibody (JM10-76) (NBP2-66871) is a recombinant monoclonal antibody validated for use in IHC, WB, Flow and ICC/IF. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	2629
Gene Symbol	GBA1
Species	Human, Mouse, Rat
Immunogen	Synthetic peptide within Human Glucosylceramidase/GBA aa 477-534 / 536. (SwissProt: P04062 Human; SwissProt: P17439 Mouse; Entrez Gene:684536 Rat)

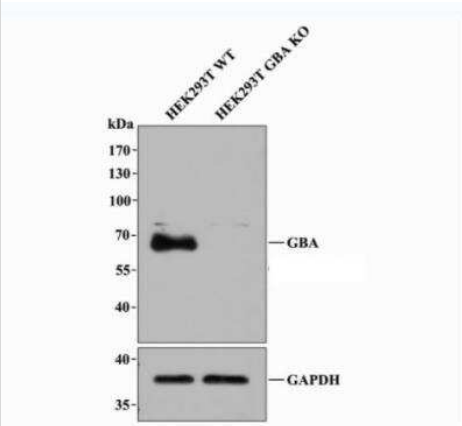
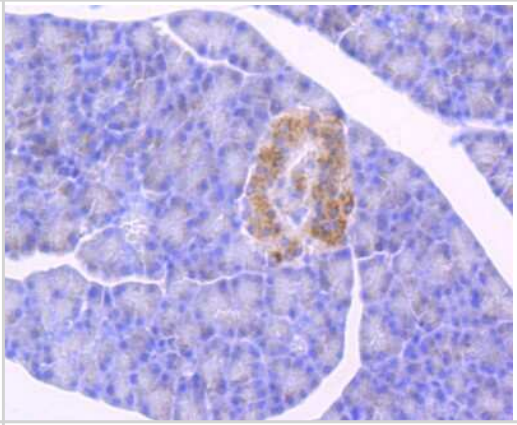
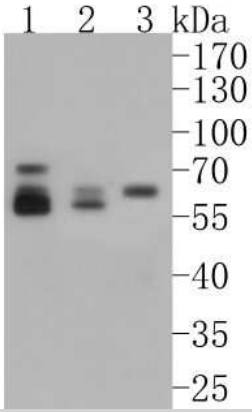
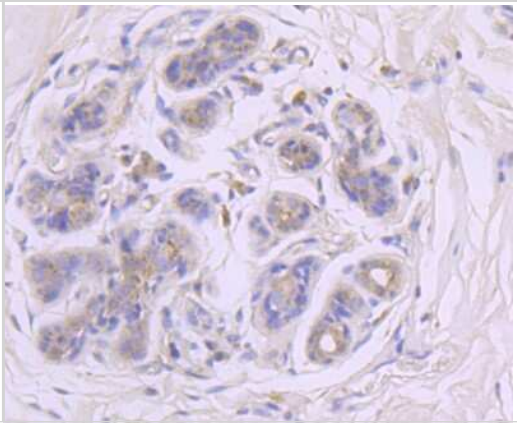
Product Application Details

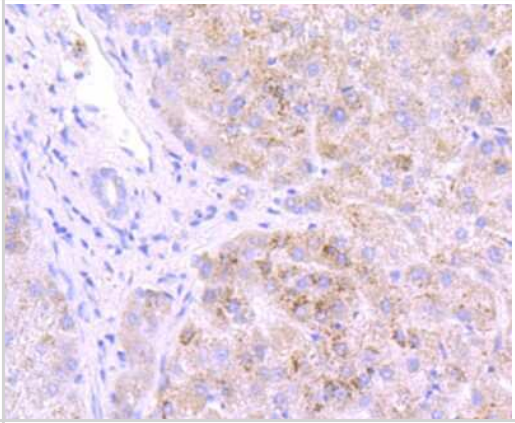
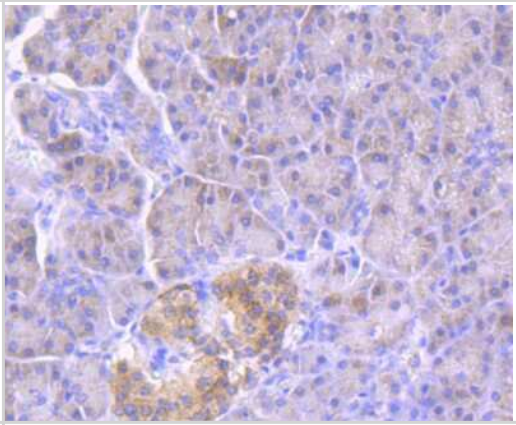
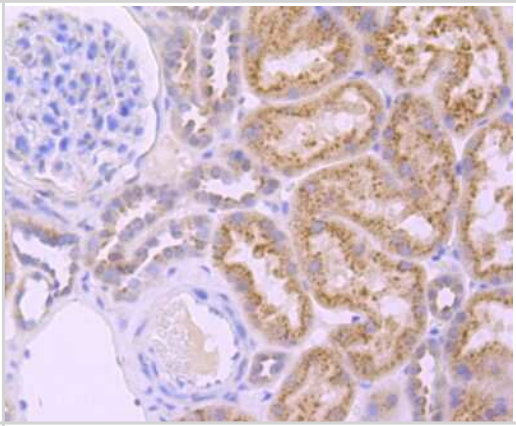
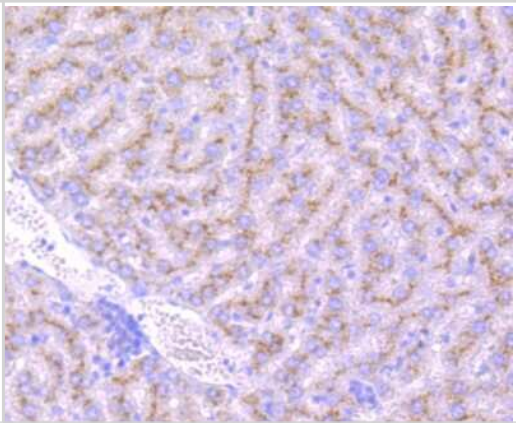
Applications	Western Blot, Immunohistochemistry-Paraffin, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Knockout Validated
Recommended Dilutions	Western Blot 1:500-1:2000, Flow Cytometry 1:500, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1:100, Immunohistochemistry-Paraffin 1:50-1:200, Immunohistochemistry-Frozen, Knockout Validated Knockout validated from YCharOS Inc. (ycharos.com)

Images

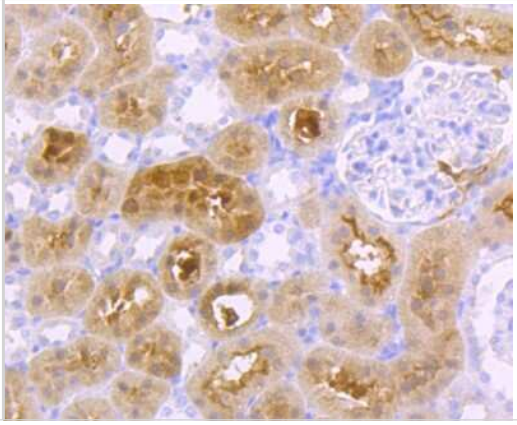
Western blot shows lysates of HAP1 parental cell line and Glucosylceramidase/GBA knockout HAP1 cell line (KO). Nitrocellulose membrane was probed with Glucosylceramidase/GBA Antibody (JM10-76) (Catalog # NBP2-66871) followed by HRP-conjugated secondary antibody. A specific band was detected for Glucosylceramidase/GBA at approximately 59.7 kDa (as indicated) in the parental HAP1 cell line, but is not detectable in knockout HAP1 cell line. Primary antibody dilution used: 1/500. The Ponceau stained transfer of the blot is shown. This experiment was conducted under reducing conditions. Image, protocol, and testing courtesy of YCharOS Inc. See ycharos.com for additional details.



Western Blot: Glucosylceramidase/GBA Antibody (JM10-76) [NBP2-66871] - All lanes: Western blot analysis of GBA with anti-GBA antibody [JM10-76 at 1:1,000 dilution.Lane 1: Wild-type HEK293T whole cell lysate (20 ug). Lane 2: GBA knockout HEK293T whole cell lysate (20 ug). NBP2-66871was shown to specifically react with GBA in wild-type HEK293T cells. No band was observed when GBA knockout sample was tested. Wild-type and GBA knockout samples were subjected to SDS-PAGE. Proteins were transferred to a PVDF membrane and blocked with 5% NFDM in TBST for 1 hour at room temperature. The primary antibody (1/1,000) and Loading control antibody (Rabbit anti-GAPDH , 1/10,000) was used in 5% BSA at room temperature for 2 hours. Goat Anti-Rabbit IgG-HRP Secondary Antibody at 1:200,000 dilution was used for 1 hour at room temperature.	
Immunohistochemistry-Paraffin: Glucosylceramidase/GBA Antibody (JM10-76) [NBP2-66871] - Analysis of paraffin-embedded mouse pancreas tissue using anti-GBA 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 (1/50) 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.	
Western Blot: Glucosylceramidase/GBA Antibody (JM10-76) [NBP2-66871] - Western blot analysis of Glucosylceramidase/GBA 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 (HA1001) at 1:5,000 dilution was used for 1 hour at room temperature. Positive control: Lane 1: SK-Br-3 cell lysate Lane 2: A549 cell lysate Lane 3: MCF-7 cell lysate	
Immunohistochemistry-Paraffin: Glucosylceramidase/GBA Antibody (JM10-76) [NBP2-66871] - Analysis of paraffin-embedded human breast carcinoma tissue using anti-GBA antibody. Counter stained with hematoxylin.	

Immunohistochemistry-Paraffin: Glucosylceramidase/GBA Antibody (JM10-76) [NBP2-66871] - Analysis of paraffin-embedded human liver tissue using anti-GBA antibody. Counter stained with hematoxylin.	
Immunohistochemistry-Paraffin: Glucosylceramidase/GBA Antibody (JM10-76) [NBP2-66871] - Analysis of paraffin-embedded human pancreas tissue using anti-GBA antibody. Counter stained with hematoxylin.	
Immunohistochemistry-Paraffin: Glucosylceramidase/GBA Antibody (JM10-76) [NBP2-66871] - Analysis of paraffin-embedded human kidney tissue using anti-GBA 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 1/50) 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.	
Immunohistochemistry-Paraffin: Glucosylceramidase/GBA Antibody (JM10-76) [NBP2-66871] - Analysis of paraffin-embedded rat liver tissue using anti-GBA 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 (1/50) 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.	

Immunohistochemistry-Paraffin: Glucosylceramidase/GBA Antibody (JM10-76) [NBP2-66871] - Analysis of paraffin-embedded rat kidney tissue using anti-GBA 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 (1/50) 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.



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NBP2-52148-0.05mg	Recombinant Human Glucosylceramidase/GBA His Protein

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