

Product Datasheet

Protein O-Glucosyltransferase 1/POGLUT1/KTELC1 Antibody - BSA Free NBP1-90311

Unit Size: 0.1 ml

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

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NBP1-90311

Protein O-Glucosyltransferase 1/POGLUT1/KTELC1 Antibody - BSA Free

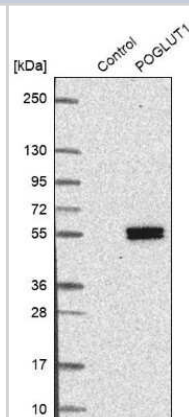
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	PBS (pH 7.2) and 40% Glycerol

Product Description	
Host	Rabbit
Gene ID	56983
Gene Symbol	POGLUT1
Species	Human, Mouse
Reactivity Notes	Immunogen displays the following percentage of sequence identity for non-tested species: Rat (89%). Mouse reactivity reported in scientific literature (PMID: 29953591).
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: VQELLQFVKANDDVAQEIAERGSQFIRNHLQMDDITCYWENLLSEYSKFLSYNV TRRKGYDQIIPKMLKTEL

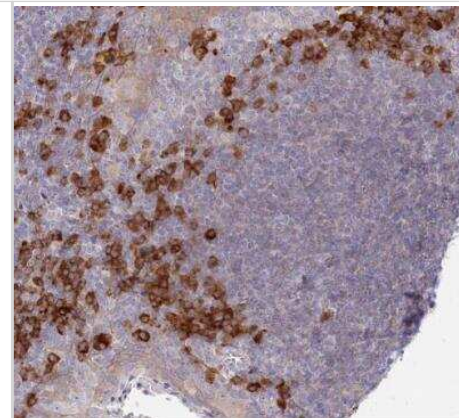
Product Application Details	
Applications	Western Blot, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:500 - 1:1000, Immunohistochemistry-Paraffin 1:500-1:1000
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended.

Images

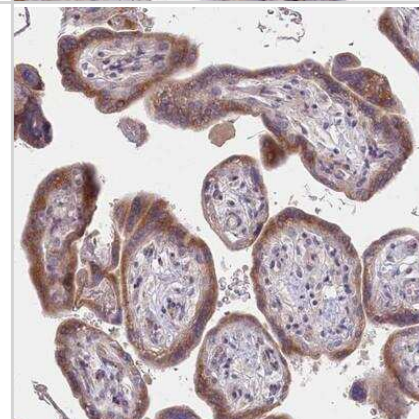
Western Blot: Protein O-Glucosyltransferase 1/POGLUT1/KTELC1 Antibody [NBP1-90311] - Analysis in control (vector only transfected HEK293T lysate) and POGLUT1 over-expression lysate (Co-expressed with a C-terminal myc-DDK tag (3.1 kDa) in mammalian HEK293T cells).



Immunohistochemistry-Paraffin: Protein O-Glucosyltransferase 1/POGLUT1/KTELC1 Antibody [NBP1-90311] - Staining of human tonsil shows strong cytoplasmic positivity in non-germinal center cells.



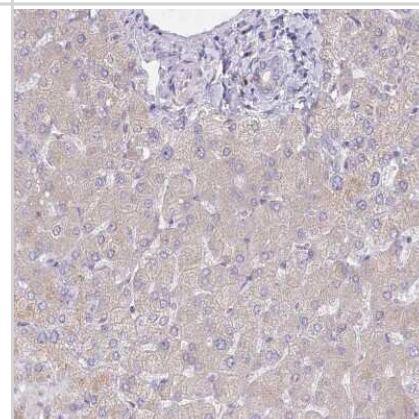
Immunohistochemistry-Paraffin: Protein O-Glucosyltransferase 1/POGLUT1/KTELC1 Antibody [NBP1-90311] - Staining of human placenta shows moderate cytoplasmic positivity in trophoblastic cells.



Immunohistochemistry-Paraffin: Protein O-Glucosyltransferase 1/POGLUT1/KTELC1 Antibody [NBP1-90311] - Staining of human kidney shows weak cytoplasmic positivity in cells in tubules.



Immunohistochemistry-Paraffin: Protein O-Glucosyltransferase 1/POGLUT1/KTELC1 Antibody [NBP1-90311] - Staining of human liver shows no positivity in hepatocytes as expected.



Publications

Servian-Morilla E, Cabrera-Serrano M, Johnson K et al. POGLUT1 biallelic mutations cause myopathy with reduced satellite cells, alpha-dystroglycan hypoglycosylation and a distinctive radiological pattern *Acta Neuropathol.* 2020-01-03 [PMID: 31897643] (Human)

Chammaa M, MaYsa A, Redondo C et al. RUMI is a novel negative prognostic marker and therapeutic target in non-small-cell lung cancer. *J. Cell. Physiol.* 2018-06-28 [PMID: 29953591] (IF/IHC, Mouse)

Basmanav FB, Oprisoreanu AM, Pasternack SM et al. Mutations in POGLUT1, encoding protein O-glucosyltransferase 1, cause autosomal-dominant Dowling-Degos disease. *Am. J. Hum. Genet.* 2014-01-02 [PMID: 24387993] (WB, IHC-P, Human)





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Products Related to NBP1-90311

NBP1-90311PEP	Protein O-Glucosyltransferase 1/POGLUT1/KTELC1 Recombinant Protein Antigen
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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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