

KTEL1 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP9678b**Specification**

KTEL1 Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession [Q8NBL1](#)**KTEL1 Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 56983**Other Names**

Protein O-glucosyltransferase 1, 241-, CAP10-like 46 kDa protein, hCLP46, KTEL motif-containing protein 1, Myelodysplastic syndromes relative protein, O-glucosyltransferase Rumi homolog, hRumi, Protein O-xylosyltransferase, POGLUT1, C3orf9, CLP46, KTELC1, MDSRP

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

KTEL1 Antibody (C-term) Blocking Peptide - Protein Information**Name** POGLUT1 ([HGNC:22954](#))**Function**

Dual specificity glycosyltransferase that catalyzes the transfer of glucose and xylose from UDP-glucose and UDP-xylose, respectively, to a serine residue found in the consensus sequence of C- X-S-X-P-C (PubMed: [21081508](http://www.uniprot.org/citations/21081508), PubMed: [21490058](http://www.uniprot.org/citations/21490058), PubMed: [21949356](http://www.uniprot.org/citations/21949356), PubMed: [27807076](http://www.uniprot.org/citations/27807076), PubMed: [28775322](http://www.uniprot.org/citations/28775322)). Specifically targets extracellular EGF repeats of protein such as CRB2, F7, F9 and NOTCH2 (PubMed: [21081508](http://www.uniprot.org/citations/21081508), PubMed: [21490058](http://www.uniprot.org/citations/21490058), PubMed: [21949356](http://www.uniprot.org/citations/21949356), PubMed: [27807076](http://www.uniprot.org/citations/27807076), PubMed: [28775322](http://www.uniprot.org/citations/28775322)). Acts as a positive regulator of Notch signaling by mediating O-glucosylation of Notch, leading to regulate muscle development (PubMed: [27807076](http://www.uniprot.org/citations/27807076)). Notch

glucosylation does not affect Notch ligand binding (PubMed:21490058). Required during early development to promote gastrulation: acts by mediating O-glucosylation of CRB2, which is required for CRB2 localization to the cell membrane (By similarity).

Cellular Location

Endoplasmic reticulum lumen

Tissue Location

Expressed in most adult tissues at different intensities. Abundantly expressed in liver. Expressed also in brain, heart, skeletal muscle, spleen, kidney, placenta, lung and peripheral blood leukocyte. Not detectable in colon, thymus and small intestine Expressed in the epidermis, especially in the upper parts, stratum spinosum and stratum granulosum (at protein level)

KTEL1 Antibody (C-term) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

KTEL1 Antibody (C-term) Blocking Peptide - Images**KTEL1 Antibody (C-term) Blocking Peptide - References**

Dubois, P.C., et al. Nat. Genet. 42(4):295-302(2010)Karadonta, A.V., et al. Int J Immunopathol Pharmacol 22(3):787-793(2009)Teng, Y., et al. Gene 371(1):7-15(2006)Clark, H.F., et al. Genome Res. 13(10):2265-2270(2003)