10320 Camino Santa Fe, Suite G
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KTEL1 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP9678b

Specification

KTEL1 Antibody (C-term) - Product Information

Application	**WB,E**
Primary Accession	Q8NBL1
Other Accession	Q5E9Q1
Reactivity	**Human**
Predicted	**Bovine**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**46189**
Antigen Region	**353-382**

KTEL1 Antibody (C-term) - 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

Target/Specificity
This KTEL1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 353-382 amino acids from the C-terminal region of human KTEL1.

Dilution
WB~~1:1000
E~~Use at an assay dependent concentration.

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
KTEL1 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

KTEL1 Antibody (C-term) - Protein Information

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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, PubMed:21490058, PubMed:21949356, PubMed:27807076, PubMed:28775322). Specifically targets extracellular EGF repeats of protein such as CRB2, F7, F9 and NOTCH2 (PubMed:21081508, PubMed:21490058, PubMed:21949356, PubMed:27807076, PubMed:28775322). Acts as a positive regulator of Notch signaling by mediating O-glucosylation of Notch, leading to regulate muscle development (PubMed: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

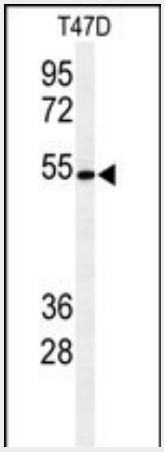
Tissue Location
Expressed in most adult tissues at different intensities. Abundantly expressed in liver. Expressed also in brain, heart, skeletal muscle, spleen, kidney, placenta, lung and peripheral blood leukocyte. Not detectable in colon, thymus and small intestine Expressed in the epidermis, especially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

KTEL1 Antibody (C-term) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

KTEL1 Antibody (C-term) - Images



Western blot analysis of KTEL1 Antibody (C-term) (Cat. #AP9678b) in T47D cell line lysates (35ug/lane). KTEL1 (arrow) was detected using the purified Pab.

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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)
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