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UGCGL1 Antibody (C-term) Blocking Peptide

Synthetic peptide
Catalog # BP13145b

Specification

UGCGL1 Antibody (C-term) Blocking Peptide - Product Information

Primary Accession Q9NYU2

UGCGL1 Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 56886

Other Names
UDP-glucose:glycoprotein glucosyltransferase 1, UGT1, hUGT1, 241-, UDP--Glc:glycoprotein glucosyltransferase, UDP-glucose ceramide glucosyltransferase-like 1, UGGT1

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP13145b was selected from the C-term region of UGCGL1. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

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.

UGCGL1 Antibody (C-term) Blocking Peptide - Protein Information

Name UGGT1

Function
Recognizes glycoproteins with minor folding defects. Reglucosylates single N-glycans near the misfolded part of the protein, thus providing quality control for protein folding in the endoplasmic reticulum. Reglucosylated proteins are recognized by calreticulin for recycling to the endoplasmic reticulum and refolding or degradation.

Cellular Location
Endoplasmic reticulum lumen {ECO:0000255|PROSITE- ProRule:PRU10138, ECO:0000269|PubMed:10694380}. Endoplasmic reticulum- Golgi intermediate compartment {ECO:0000255|PROSITE-ProRule:PRU10138, ECO:0000269|PubMed:10694380}

Tissue Location
Higher levels in pancreas, skeletal muscle, kidney, and brain. Low levels in lung and heart.

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UGCGL1 Antibody (C-term) Blocking Peptide - Protocols

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

- Blocking Peptides

UGCGL1 Antibody (C-term) Blocking Peptide - Images

UGCGL1 Antibody (C-term) Blocking Peptide - Background

UGCGL1 recognizes glycoproteins with minor folding defects. Reglucosylates single N-glycans near the misfolded part of the protein, thus providing quality control for protein folding in the endoplasmic reticulum. Reglucosylated proteins are recognized by calreticulin for recycling to the endoplasmic reticulum and refolding or degradation.