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UGCGL2 Rabbit pAb

Catalog # AP96937

Product Information

Application	WB
Primary Accession	Q9NYU1
Other Accession	Q9NYU1
Reactivity	Rat, Human
Predicted	Pig, Mouse, Chicken, Dog, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	174735
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human UGCGL2
Epitope Specificity	201-300/1516
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the glycosyltransferase 8 family.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	UDP-glucose:glycoprotein glucosyltransferase (UGT) is a soluble protein of the endoplasmic reticulum (ER) that selectively reglucosylates unfolded glycoproteins, thus providing quality control for protein transport out of the ER.[supplied by OMIM, Oct 2009]

Additional Information

Gene ID	55757
Other Names	HUGT2; UGCGL2; UGT2; UGGG2_HUMAN; UGGT2; UDP--Glc:glycoprotein glucosyltransferase 2; UDP-glucose ceramide glucosyltransferase-like 1; 2.4.1.-; UDP-glucose glycoprotein glucosyltransferase 2; UDP-glucose ceramide glucosyltransferase-like 2; UDP-glucose:glycoprotein glucosyltransferase 2
Dilution	WB=1:500-2000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	UGGT2

Synonyms	UGCGL2, UGT2
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:12913004}. Endoplasmic reticulum- Golgi intermediate compartment {ECO:0000255|PROSITE-ProRule:PRU10138, ECO:0000269|PubMed:12913004}
Tissue Location	Higher levels in kidney, pancreas, heart, and skeletal muscle.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.