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Datasheet for ABIN1703333
anti-PRKCSH antibody (AA 101-200) (Cy3)

Overview

Quantity:	100 µL
Target:	PRKCSH
Binding Specificity:	AA 101-200
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PRKCSH antibody is conjugated to Cy3
Application:	Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human Glucosidase 2 subunit beta
Isotype:	IgG
Predicted Reactivity:	Human,Mouse,Rat,Cow,Pig,Horse
Purification:	Purified by Protein A.

Target Details

Target:	PRKCSH
Alternative Name:	Glucosidase 2 subunit beta (PRKCSH Products)
Background:	Synonyms: 80K-H protein, AGE-binding receptor 2, AGE-R2, G19P1, GLU2B_HUMAN,

Target Details

Glucosidase 2 subunit beta, Glucosidase II beta subunit, Glucosidase II subunit beta, Hepatocystin, PCLD, PKCSH, PLD1, PRKCSH, Protein kinase C substrate 60.1 kDa protein heavy chain, Protein kinase C substrate 80 Kda protein, Protein kinase C substrate 80K-H, Protein kinase C substrate, 80 Kda protein.

Background: Trimming of glucoses from N-linked core glycans on newly synthesized glycoproteins occurs sequentially through the action of Glucosidases I and II in the endoplasmic reticulum (ER). Glucosidase II is an ER-localized enzyme that contains a and b subunits (Glucosidase IIa and Glucosidase IIb) which form a defined heterodimeric complex. Glucosidase IIa is the catalytic core of the enzyme and can function independently of the b subunit. The sequence of Glucosidase IIb encodes protein rich in glutamic and aspartic acid with a putative ER retention signal (HDEL) at the C-terminus. The phosphorylated form of Glucosidase IIb is localized in the plasma membrane and is highly expressed in FGF-stimulated fibroblasts and epidermal carcinoma cells. Glucosidase IIb was first purified from a human carcinoma cell line as a potential substrate for protein kinase C. Through the HDEL signal at the C-terminus, Glucosidase IIb retains the complete complex in the ER.

Gene ID: 5589

Pathways: [Cellular Glucan Metabolic Process](#), [Methionine Biosynthetic Process](#)

Application Details

Application Notes: IF(IHC-P) 1:50-200
IF(IHC-F) 1:50-200
IF(ICC) 1:50-200

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Handling

Storage: -20 °C

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Expiry Date: 12 months