Datasheet for ABIN1707102

# anti-PRKCSH antibody (AA 101-200) (Cy5.5)

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## Overview

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| Quantity: | 100 µL |
| Target: | PRKCSH |
| Binding Specificity: | AA 101-200 |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This PRKCSH antibody is conjugated to Cy5.5 |
| Application: | Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)) |

## Product Details

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| 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

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|---|---|
| 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

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| | 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.<br>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 catalyitc 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

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| Application Notes: | IF(IHC-P) 1:50-200<br>IF(IHC-F) 1:50-200<br>IF(ICC) 1:50-200 |
| Restrictions: | For Research Use only |

## Handling

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|---|---|
| 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

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| Storage: | -20 °C |
| Storage Comment: | Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles. |
| Expiry Date: | 12 months |

 