Anti-Glucosidase 2 subunit beta Antibody [A6H9-R] HA601276

Product Type:	Recombinant Mouse monoclonal IgG1, primary antibodies
Species reactivity:	Human
Applications:	WB
Molecular Wt:	Predicted band size: 59 kDa
Clone number:	A6H9-R

Description: Regulatory subunit of glucosidase II that cleaves sequentially the 2 innermost alpha-1,3-linked glucose residues from the Glc(2)Man(9)GlcNAc(2) oligosaccharide precursor of immature glycoproteins. Required for efficient PKD1/Polycystin-1 biogenesis and trafficking to the plasma membrane of the primary cilia (By similarity). This gene encodes the beta-subunit of glucosidase II, an N-linked glycan-processing enzyme in the endoplasmic reticulum. The encoded protein is an acidic phosphoprotein known to be a substrate for protein kinase C. Mutations in this gene have been associated with the autosomal dominant polycystic liver disease. Alternative splicing results in multiple transcript variants.

Immunogen: Recombinant protein within human Glucosidase 2 subunit beta aa 51-250.

Positive control: HeLa cell lysate, 293T cell lysate, Daudi cell lysate, Jurkat cell lysate, A431 cell lysate.

Subcellular location: Endoplasmic reticulum.

Database links: SwissProt: P14314 Human

Recommended Dilutions:

WB	1:1,000

Storage Buffer: PBS (pH7.4), 0.1% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.

Storage Instruction: Store at +4℃ after thawing. Aliquot store at -20℃. Avoid repeated freeze / thaw cycles.

Purity: Protein A affinity purified.

Images

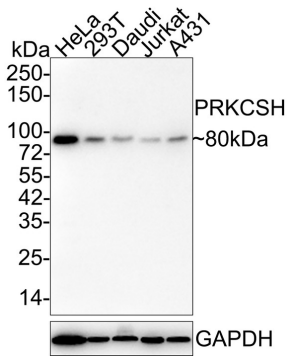

Fig1: Western blot analysis of Glucosidase 2 subunit beta on different lysates with Mouse anti-Glucosidase 2 subunit beta antibody (HA601276) at 1/1,000 dilution.

Lane 1: HeLa cell lysate
Lane 2: 293T cell lysate
Lane 3: Daudi cell lysate
Lane 4: Jurkat cell lysate
Lane 5: A431 cell lysate

Lysates/proteins at 20 µg/Lane.

Predicted band size: 59 kDa
Observed band size: 80 kDa

Exposure time: 5 minutes;

4-20% SDS-PAGE gel.

Proteins were transferred to a PVDF membrane and blocked with 5% NFDM/TBST for 1 hour at room temperature. The primary antibody (HA601276) at 1/1,000 dilution was used in 5% NFDM/TBST at 4℃ overnight. Goat Anti-Mouse IgG - HRP Secondary Antibody (HA1006) at 1/50,000 dilution was used for 1 hour at room temperature.

Background References

1. Huang R. et. al. PRKCSH Alternative Splicing Involves in Silica-Induced Expression of Epithelial-Mesenchymal Transition Markers and Cell Proliferation. Dose Response. 2020 May
2. Shin GC. et. al. PRKCSH contributes to tumorigenesis by selective boosting of IRE1 signaling pathway. Nat Commun. 2019 Jul