

KD-Validated Anti-GBE1 Mouse Monoclonal Antibody

Mouse monoclonal antibody Catalog # AGI2056

Specification

KD-Validated Anti-GBE1 Mouse Monoclonal Antibody - Product Information

Application WB
Primary Accession Q04446
Reactivity Human
Clonality Monoclonal
Isotype Mouse IgG1

Calculated MW Predicted, 80 kDa, observed, 70 kDa KDa

Gene Name GBE1

Aliases

GBE1; 1,4-Alpha-Glucan Branching Enzyme
1; Glucan (1,4-Alpha-), Branching Enzyme

1; 1,4-Alpha-Glucan-Branching Enzyme; Glycogen Branching Enzyme; Brancher Enzyme; EC 2.4.1.18; Amylo-(1,4 To 1,6) Transglucosidase; Amylo-(1,4 To 1,6) Transglycosylase; Glycogen Storage Disease Type IV; Glycogen-Branching Enzyme; Andersen Disease; APBD; GSD4;

GBE

Immunogen Recombinant protein of human GBE1

KD-Validated Anti-GBE1 Mouse Monoclonal Antibody - Additional Information

Gene ID 2632

Other Names

1, 4-alpha-glucan-branching enzyme, 2.4.1.18, Brancher enzyme, Glycogen-branching enzyme, GBE1

KD-Validated Anti-GBE1 Mouse Monoclonal Antibody - Protein Information

Name GBE1

Function

Glycogen-branching enzyme participates in the glycogen biosynthetic process along with glycogenin and glycogen synthase. Generates alpha-1,6-glucosidic branches from alpha-1,4-linked glucose chains, to increase solubility of the glycogen polymer (PubMed:26199317, PubMed:8463281, PubMed:8613547).

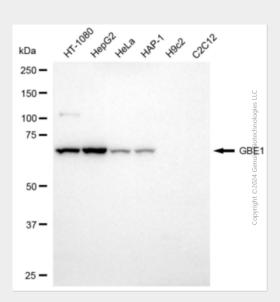
KD-Validated Anti-GBE1 Mouse Monoclonal Antibody - Protocols



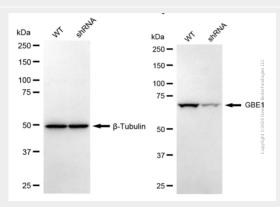
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

KD-Validated Anti-GBE1 Mouse Monoclonal Antibody - Images



Western blotting analysis using anti-GBE1 antibody (Cat#AGI2056). Total cell lysates (30 μ g) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-GBE1 antibody (Cat#AGI2056, 1:2,500) and HRP-conjugated goat anti-mouse secondary antibody respectively.



Western blotting analysis using anti-GBE1 antibody (Cat#AGI2056). GBE1 expression in wild-type (WT) and GBE1 shRNA knockdown (KD) HeLa cells with 20 μ g of total cell lysates. β -Tubulin serves as a loading control. The blot was incubated with anti-GBE1 antibody (Cat#AGI2056, 1:2,500) and HRP-conjugated goat anti-mouse secondary antibody respectively.