

## GBE1

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**Reactivity:**Human

**Tested applications:**WB IHC

**Recommended Dilution:**WB 1:500 - 1:2000 IHC 1:50 - 1:200

**Calculated MW:**80kDa

**Observed MW:**Refer to figures

**Immunogen:**

Recombinant protein of human GBE1

**Storage Buffer:**

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Synonym:**

GBE; APBD; GSD4;

**Catalog #:**A6599

**Antibody Type:**

Polyclonal Antibody

**Species:**Rabbit

**Gene ID:**2632

**Isotype:**IgG

**Swiss Prot:**Q04446

**Purity:**Affinity purification

For research use only.

**Background:**

The protein encoded by this gene is a glycogen branching enzyme that catalyzes the transfer of alpha-1,4-linked glucosyl units from the outer end of a glycogen chain to an alpha-1,6 position on the same or a neighboring glycogen chain. Branching of the chains is essential to increase the solubility of the glycogen molecule and, consequently, in reducing the osmotic pressure within cells. Highest level of this enzyme are found in liver and muscle. Mutations in this gene are associated with glycogen storage disease IV (also known as Andersen's disease).

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