

## GLB1 polyclonal antibody

Catalog: BS60421

Host: Rabbit

Reactivity: Human, Rat

### BackGround:

The human b-galactosidase gene, known as the LacZ gene, maps to chromosome 3p21.33 and encodes a 677 amino acid protein with an optimum functional pH range of 6 to 8. Catalytically active b-galactosidases (b-Gal) is a tetramer of four identical subunits, each with an active site, which can independently catalyze the cleavage of terminal galactose. Monovalent cations have a stimulatory effect on the enzymatic reaction, which likely involves a galactosyl-enzyme complex intermediate. b-Gals are widespread in animals, microorganisms and plants. The LacZ gene is widely used as a reporter gene with a variety of colored or fluorescent compounds capable of being produced from appropriate substrates, such as Xgal, which produces a blue color. For this reason, LacZ is incorporated into numerous plasmid vectors as a marker.

### Product:

1 mg/ml in Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.2.

### Molecular Weight:

~ 90 kDa

### Swiss-Prot:

P16278

### Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

### Applications:

WB: 1:500~1:1000

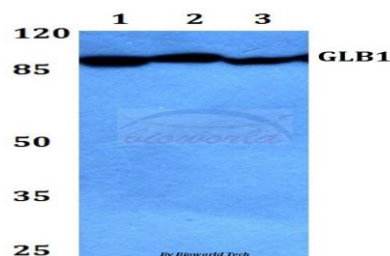
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

### Specificity:

GLB1 polyclonal antibody detects endogenous levels of GLB1 protein.

### DATA:



Western blot (WB) analysis of GLB1 polyclonal antibody at 1:500 dilution

Lane1: HEK293T whole cell lysate

Lane2: HepG2 whole cell lysate

Lane3: PC12 whole cell lysate

### Note:

For research use only, not for use in diagnostic procedure.

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