



## Anti-human Cytosolic $\beta$ -Glucosidase/GBA3 Antibody

### ORDERING INFORMATION

**Catalog Number:** AF5969

**Lot Number:** CEHB01

**Size:** 100  $\mu$ g

**Formulation:** 0.2  $\mu$ m filtered solution in PBS with 5% trehalose

**Storage:** -20° C

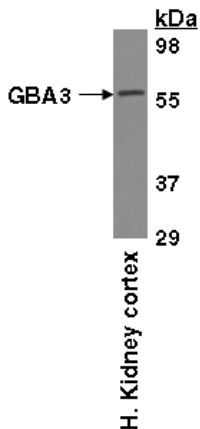
**Reconstitution:** sterile PBS

**Specificity:** human GBA3

**Immunogen:** Sf21-derived rhGBA3 (aa 13 - 469)

**Ig Type:** sheep IgG

**Applications:** Western blot  
Immunoprecipitation  
Direct ELISA



### Detection of GBA3 with AF5969.

Tissue lysates were resolved by SDS-PAGE, transferred to an Immobilon-P membrane and immunoblotted with 1.0  $\mu$ g/mL sheep anti-hGBA3.

### Preparation

Produced in sheep immunized with purified, Sf21-derived, recombinant human Cytosolic  $\beta$ -Glucosidase/GBA3 (rhGBA3; Thr13 - Leu469; Accession # Q9H227; R&D Systems, Catalog # 5969-GH). Human GBA3 specific IgG was purified by human GBA3 affinity chromatography.

### Formulation

Lyophilized from a 0.2  $\mu$ m filtered solution in phosphate-buffered saline (PBS) with 5% trehalose.

### Reconstitution

Reconstitute with sterile PBS. If 0.5 mL of PBS is used, the antibody concentration will be 0.2 mg/mL.

### Storage

Lyophilized samples are stable for twelve months from date of receipt when stored at -20° C to -70° C. Upon reconstitution, the antibody can be stored at 2° - 8° C for 1 month without detectable loss of activity. Reconstituted antibody can also be aliquotted and stored frozen at -20° C to -70° C in a manual defrost freezer for six months without detectable loss of activity. **Avoid repeated freeze-thaw cycles.**

### Specificity

This antibody has been selected for its ability to recognize human GBA3 in direct ELISAs and Western blots.

### Applications

**Western blot** - An antibody concentration of 1.0  $\mu$ g/mL is recommended.

**Immunoprecipitation** - This antibody has been used at 25  $\mu$ g/mL to immunoprecipitate rhGBA3 from cell culture conditioned medium.

**Direct ELISA** - This antibody can be used at 0.5 - 1.0  $\mu$ g/mL with the appropriate secondary reagents to detect human GBA3. The detection limit for rhGBA3 is approximately 0.2 ng/well.

**Optimal dilutions should be determined by each laboratory for each application.**