

For Research Use Only

# GBA2 Polyclonal antibody

Catalog Number: 17164-1-AP



## Basic Information

<b>Catalog Number:</b> 17164-1-AP	<b>GenBank Accession Number:</b> BC011363	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 450 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 57704	<b>Recommended Dilutions:</b> WB 1:500-1:2000
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q9HCG7	
<b>Isotype:</b> IgG	<b>Full Name:</b> glucosidase, beta (bile acid) 2	
<b>Immunogen Catalog Number:</b> AG10606	<b>Calculated MW:</b> 927 aa, 105 kDa	
	<b>Observed MW:</b> 105 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> human, mouse, rat	<b>WB :</b> human placenta tissue, HeLa cells, mouse brain tissue, rat brain tissue

## Background Information

GBA2(Non-lysosomal glucosylceramidase) is also named as KIAA1605, NLGase and belongs to the non-lysosomal glucosylceramidase family. It catalyzes the conversion of glucosylceramide to free glucose and ceramide and is involved in sphingomyelin generation and prevention of glycolipid accumulation. GBA2 contains a putative membrane-spanning domain and 2 potential N-glycosylation sites. However, glycosidase treatment indicated that GBA2 is not a glycoprotein(PMID:11489889). It has 3 isoforms produced by alternative splicing.

## Storage

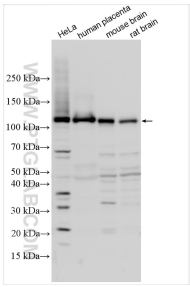
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
**Aliquoting is unnecessary for -20°C storage**

\*\*\* 20ul sizes contain 0.1% BSA

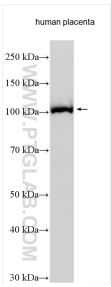
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# Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 17164-1-AP (GBA2 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Human placenta tissue were subjected to SDS PAGE followed by western blot with 17164-1-AP (GBA2 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.