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## Datasheet for ABIN2788767 anti-GBA antibody (C-Term)

3 Images



#### Overview

Quantity:	100 µL
Target:	GBA
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat, Dog, Pig, Cow, Guinea Pig, Horse, Rabbit
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GBA antibody is un-conjugated
Application:	Western Blotting (WB)

### Product Details

Sequence:	EGSQRVGLVA SQKNDLDAVA LMHPDGSAVV VVLNRSSKDV PLTIKDPAVG
Predicted Reactivity:	Cow: 92%, Dog: 86%, Guinea Pig: 86%, Horse: 85%, Human: 100%, Mouse: 83%, Pig: 100%, Rabbit: 86%, Rat: 92%
Characteristics:	This is a rabbit polyclonal antibody against GBA. It was validated on Western Blot.
Purification:	Affinity Purified

#### Target Details

Target:	GBA
Alternative Name:	GBA (GBA Products)
Background:	This gene encodes a lysosomal membrane protein that cleaves the beta-glucosidic linkage of

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## Target Details

	glycosylceramide, an intermediate in glycolipid metabolism. Mutations in this gene cause
	Gaucher disease, a lysosomal storage disease characterized by an accumulation of
	glucocerebrosides. A related pseudogene is approximately 12 kb downstream of this gene on
	chromosome 1. Alternative splicing results in multiple transcript variants.
	Alias Symbols: GBA1, GCB, GLUC
	Protein Interaction Partner: NUDCD1, UBC, ITCH, ATP6V1B1, SNCA, FBXO6, TCP1, CBL, NEDD4,
	PARK2, HSP90AA1, HSPA4, PSAP,
	Protein Size: 536
Molecular Weight:	59 kDa
Molecular Weight: Gene ID:	59 kDa 2629
Gene ID:	2629
Gene ID: NCBI Accession:	2629 NM_000157, NP_000148

## Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 536 AA
Restrictions:	For Research Use only

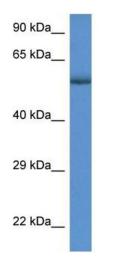
## Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in smal

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#### aliquots to prevent freeze-thaw cycles.

#### Images

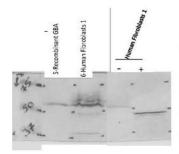


Rabbit Anti-GBA Antibody Catalog Number: ARP61322 Lot Number: QC32009 Lane: MDA-MB-435S Cell Lysate

Antibody Titration: 1.0µg/ml Gel Concentration: 12%

#### Western Blotting

Image 1.

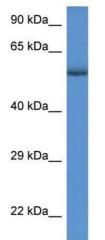


GBA (ARP61322\_P050) Western Blot

Primary: 1:1000 Secondary (anti-rabbit IgG alkaline phosphatase Sigma)

Application data in forum

Submitted by: Dr. Andrea Balreira Institute for Molecular and Cellular Biology



## Western Blotting

Image 2.

#### **Western Blotting**

Image 3. WB Suggested Anti-GBA

Antibody Titration: 1 µg/mL

Positive Control: MDA-MB-435S cell lysate

GBA is strongly supported by BioGPS gene expression data

to be expressed in Human MDA-MB435 cells

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