

Datasheet for ABIN2787250
anti-GBA3 antibody (N-Term)[Go to Product page](#)

2 Images

Overview

Quantity:	100 µL
Target:	GBA3
Binding Specificity:	N-Term
Reactivity:	Human, Rat, Dog, Horse, Cow, Guinea Pig, Pig, Rabbit
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GBA3 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human GBA3
Sequence:	LTHYRFSLSW SRLLPDGTG FINQKGIDYY NKIIDLLKN GVTPIVTLYH
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 93%, Horse: 100%, Human: 100%, Pig: 100%, Rabbit: 93%, Rat: 100%
Characteristics:	This is a rabbit polyclonal antibody against GBA3. It was validated on Western Blot.
Purification:	Affinity Purified

Target Details

Target:	GBA3
Alternative Name:	GBA3 (GBA3 Products)

Target Details

Background:	<p>GBA3, or cytosolic beta-glucosidase (EC 3.2.1.21), is a predominantly liver enzyme that efficiently hydrolyzes beta-D-glucoside and beta-D-galactoside, but not any known physiologic beta-glycoside, suggesting that it may be involved in detoxification of plant glycosides (de Graaf et al., 2001 [PubMed 11389701]). GBA3 also has significant neutral glycosylceramidase activity (EC 3.2.1.62), suggesting that it may be involved in a nonlysosomal catabolic pathway of glucosylceramide metabolism (Hayashi et al., 2007 [PubMed 17595169]).</p> <p>Alias Symbols: CBGL1, GLUC, KLrP, MGC104276, MGC126878</p> <p>Protein Interaction Partner: PRKCSH, UBC,</p> <p>Protein Size: 469</p>
Molecular Weight:	54 kDa
Gene ID:	57733
NCBI Accession:	NM_020973 , NP_066024
UniProt:	Q9H227

Application Details

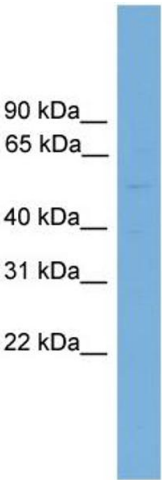
Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 469 AA
Restrictions:	For Research Use only

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 small

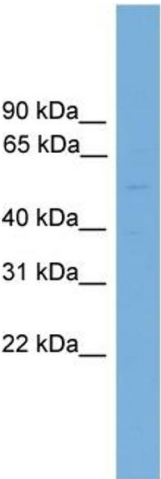
aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

Image 1. WB Suggested Anti-GBA3 Antibody Titration:
0.2-1 ug/ml
Positive Control: Hela cell lysate



Rabbit Anti-GBA3 Antibody
Catalog Number: ARP57505
Lot Number: QC29293
Lane: Hela Cell Lysate

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

Western Blotting

Image 2. WB Suggested Anti-GBA3
Antibody Titration: 0.2-1 µg/mL
Positive Control: Hela cell lysate