

# GBA Polyclonal Antibody

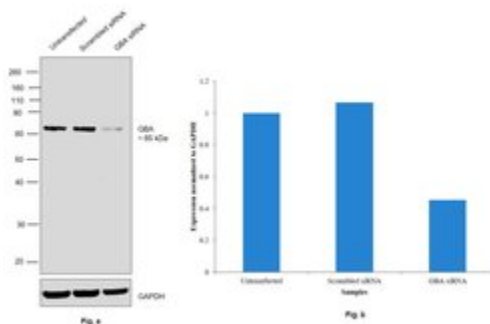
Product Details	
Size	100 µL
Species Reactivity	Human, Mouse, Rat
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Synthesized peptide derived from human GBA.
Form	Liquid
Concentration	1 mg/mL
Purification	affinity chromatography
Storage buffer	PBS, pH 7.4, with 50% glycerol
Contains	0.02% sodium azide
Storage conditions	-20°C
RRID	AB_2691843

Applications	Tested Dilution	Publications
Western Blot (WB)	1:1,000	-
Immunocytochemistry (ICC/IF)	1:100	-

## Product Specific Information

Predicted to react with Mouse samples.

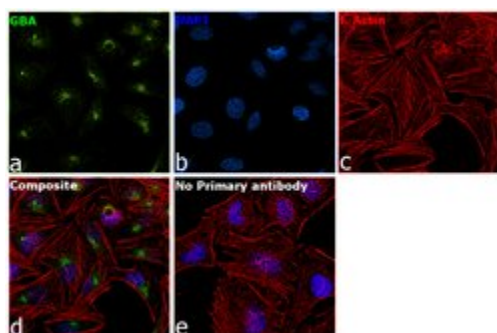
## Advanced Verification Data



### GBA Antibody (PA5-67940)

Antibody specificity was demonstrated by siRNA mediated knockdown of target protein. NIH:OVCAR-3 cells were transfected with GBA siRNA and decrease in signal intensity was observed in Western Blot application using Anti-GBA Polyclonal Antibody (Product # PA5-67940). Knockdown validation info.

## Product Images For GBA Polyclonal Antibody

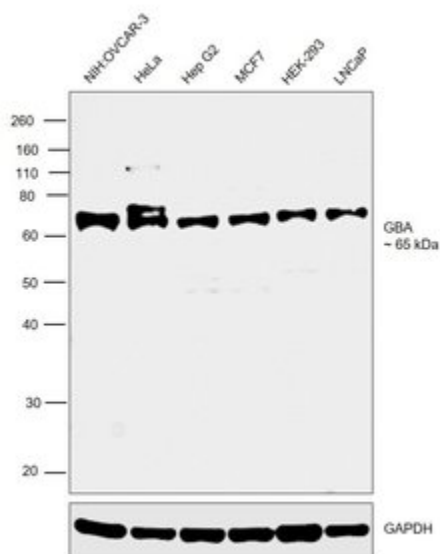


### GBA Antibody (PA5-67940) in ICC/IF

Immunofluorescence analysis of GBA was performed using 70% confluent log phase HeLa cells. The cells were fixed with 4% paraformaldehyde for 10 minutes, permeabilized with 0.1% Triton™ X-100 for 15 minutes, and blocked with 2% BSA for 45 minutes at room temperature. The cells were labeled with GBA Polyclonal Antibody (Product # PA5-67940) at 1:100 dilution in 0.1% BSA, incubated at 4 degree celsius overnight and then labeled with Donkey anti-Rabbit IgG (H+L) Highly Cross-Adsorbed Secondary Antibody, Alexa Fluor Plus 488 (Product # A32790), (1: 2000 dilution), for 45 minutes at room temperature (Panel a: Green). Nuclei (Panel b: Blue) were stained with ProLong™ Diamond Antifade Mountant with DAPI (Product # P36962). F-actin (Panel c: Red) was stained with Rhodamine Phalloidin (Product # R415, 1:300). Panel d represents the merged image showing Lysosomal localization. Panel e represents control cells with no primary antibody to assess background. The images were captured at 60X magnification.

### GBA Antibody (PA5-67940) in WB

Western blot was performed using Anti-GBA Polyclonal Antibody (Product # PA5-67940) and a 65 kDa band corresponding to GBA was observed across the cell lines tested. Whole cell extracts (30 µg lysate) of NIH:OVCAR-3 (Lane 1), HeLa (Lane 2), Hep G2 (Lane 3), MCF7 (Lane 4), HEK-293 (Lane 5) and LNCaP (Lane 6) were electrophoresed using NuPAGE™ 10% Bis-Tris Protein Gel (Product # NP0302BOX). Resolved proteins were then transferred onto a Nitrocellulose membrane (Product # IB23001) by iBlot® 2 Dry Blotting System (Product # IB21001). The blot was probed with the primary antibody (1:1000 dilution) and detected by chemiluminescence with Goat anti-Rabbit IgG (H+L) Superclonal™ Recombinant Secondary Antibody, HRP (Product # A27036, 1:4000 dilution) using the iBright FL 1000 (Product # A32752). Chemiluminescent detection was performed using Novex® ECL Chemiluminescent Substrate Reagent Kit (Product # WP20005).



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