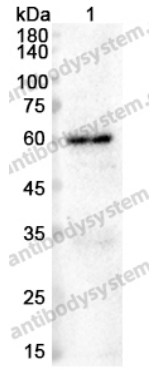
Anti-GAD2/GAD65 Polyclonal Antibody

Summary

Catalog No.	PHG04601
Host species	Rabbit
Tested applications	ELISA: 1:4000-1:8000, IHC: 1:50-1:200, WB: 1:1000-1:4000
Species reactivity	Human, Mouse, Rat
Immunogen	E. coli - derived recombinant Human GAD2/GAD65 (Gln152-Asp496).
Form	Liquid
Storage buffer	0.01M PBS, pH 7.4, 50% Glycerol, 0.05% Proclin 300.
Concentration	4.28 mg/ml
Clonality	Polyclonal
Isotype	IgG
Applications	ELISA, IHC, WB
Target	Glutamate decarboxylase 2,GAD65,65 kDa glutamic acid decarboxylase,GAD-65,GAD2,Glutamate decarboxylase 65 kDa isoform
Purification	Purified by antigen affinity column.
Accession	Q05329
Stability and Storage	Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8°C for frequent use. Store at -20 to -80°C for twelve months from the date of receipt.
Note	For research use only.

Data Image



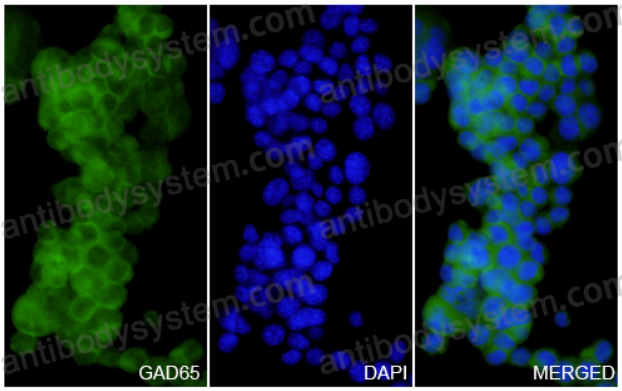
Western blot

Various lysates were subjected to SDS PAGE followed by western blot with GAD2 / GAD65 antibody (PHG04601) at 0.47µg/ml.

Lane 1: LN229 cell lysate

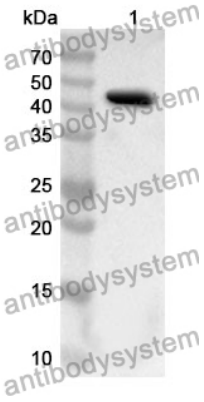
Second Ab: Goat Anti-Rabbit IgG H&L Polyclonal antibody, HRP (PTB96431) at 0.1 µg/mL.

Predict MW: 65 kDa
Observed MW: 60 kDa



Immunocytochemistry/ Immunofluorescence

GAD2 / GAD65 in N2A Cell Line.
The N2A cells were fixed with 4% paraformaldehyde (20 min), and then blocked with 5% goat serum for 1h. And the cells were incubated for 2h at 37°C with GAD2 / GAD65 (PHG04601) at 9.4 µg/ml. The section was then incubated with Goat Anti-Rabbit IgG (Alexa Fluor-488) preabsorbed at 1/100 dilution (Shown in green) for 1 hour at room temperature.Nuclear DNA was labelled with DAPI (shown in blue).



Western Blot

Recombinant Protein lysates were subjected to SDS PAGE followed by western blot with GAD2/GAD65 antibody (PHG04601) at 1 µg/ml.

Lane 1: Recombinant Protein

Second Ab: Goat Anti-Rabbit IgG H&L Polyclonal antibody, HRP (PTB96431) at 0.1 µg/mL.

Predict MW: 41 kDa
Observed MW: 41 kDa