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BOSTER BIOLOGICAL TECHNOLOGY
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Anti-GAD67 GAD1 Rabbit Monoclonal Antibody

Catalog Number: M02002

Overview

Product Name	Anti-GAD67 GAD1 Rabbit Monoclonal Antibody
Reactive Species	Human, Mouse, Pig, Rat
Description	Boster Bio Anti-GAD67 GAD1 Rabbit Monoclonal Antibody catalog # M02002. Tested in WB, IHC, IP applications. This antibody reacts with Human, Mouse, Rat, Pig.
Application	IP, IHC, WB
Clonality	Monoclonal AAGO-7
Formulation	Rabbit IgG in stabilizing components, phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. *This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	Q99259

Technical Details

Immunogen	A synthesized peptide derived from human GAD67
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5mg/ml
Purification	Affinity-chromatography
Suggested Dilutions	WB 1:500-2000 IHC 1:50-200 IP 1:20

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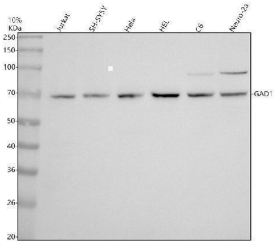
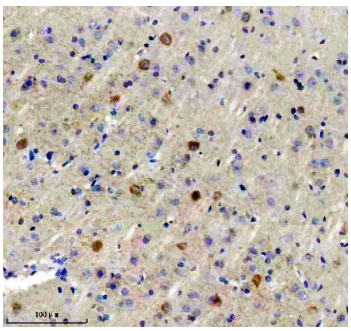
Anti-GAD67 GAD1 Rabbit Monoclonal Antibody (M02002) Images



Western blot analysis of GAD1 using anti-GAD1 antibody (M02002). Electrophoresis was performed on a 10% SDS-PAGE gel at 80V (Stacking gel) / 120V (Resolving gel) for 2 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: human Jurkat whole cell lysates, Lane 2: human SH-SY5Y whole cell lysates, Lane 3: human Hela whole cell lysates, Lane 4: human HEL whole cell lysates, Lane 5: rat C6 whole cell lysates, Lane 6: mouse Neuro-2a whole cell lysates.After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-GAD1 antigen affinity purified monoclonal antibody (M02002) at 1:500 overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an ECL Plus Western Blotting Substrate (Catalog # AR1196-200) with Tanon 5200 system. A specific band was detected for GAD1 at approximately 70 kDa. The expected band size for GAD1 is at 67 kDa.



IHC analysis of GAD1 using anti-GAD1 antibody (M02002). GAD1 was detected in a paraffin-embedded section of pig brain tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1:50 rabbit anti-GAD1 Antibody (M02002) overnight at 4°C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB as the chromogen.

1 Publications Citing This Product

1. PubMed ID: 27630542, Excitatory and inhibitory neurons in the hippocampus exhibit molecularly distinct large dense core vesicles

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