

## Product Datasheet

### GAD1 (isoform GAD67) Antibody (orb20081)

<b>Catalog Number</b>	orb20081
<b>Category</b>	Antibodies
<b>Description</b>	Goat polyclonal antibody to GAD1
<b>Target</b>	GAD1 (isoform GAD67)
<b>Clonality</b>	Polyclonal
<b>Species/Host</b>	Goat
<b>Conjugation</b>	Unconjugated
<b>Reactivity</b>	Human
<b>Predicted Reactivity</b>	Bovine, Canine, Mouse, Porcine, Rat
<b>Buffer/Preservatives</b>	Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH 7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.
<b>Purification</b>	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
<b>Protein Sequence</b>	PDSPQRREKLHK
<b>RRID</b>	AB_10752062
<b>MW</b>	66.9
<b>Tested applications</b>	ELISA, FC, IF, WB
<b>Dilution range</b>	ELISA: 1:32000, WB: 0.5-1.5 µg/ml

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**Application notes**

ELISA: Peptide ELISA: antibody detection limit dilution 1:8000.WB: Approx. 70kDa band observed in Human Brain (Cerebellum) and in Mouse and Rat Brain lysates (calculated MW of 66.9kDa according to Human NP\_000808.2 and 66.6kDa according to Mouse NP\_032103.2). Recommended concentration: 0.3-1 µg/ml.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Note**

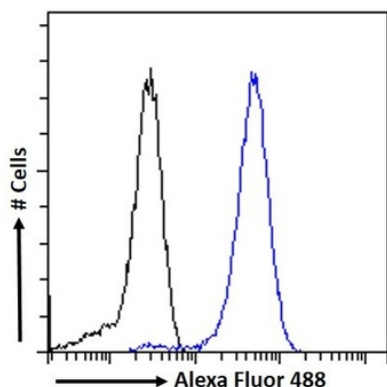
For research use only

**Entrez**

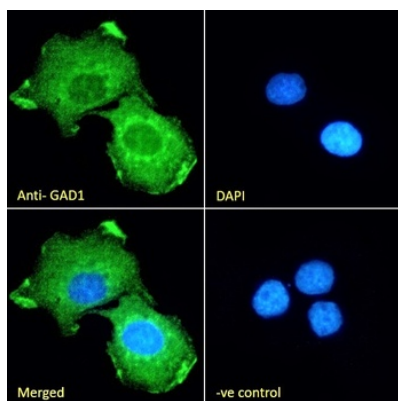
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**Expiration Date**

12 months from date of receipt.



orb20081 Flow cytometric analysis of paraformaldehyde fixed A431 cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (1ug/ml). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.



orb20081 Immunofluorescence analysis of paraformaldehyde fixed A431 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing membrane and cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).

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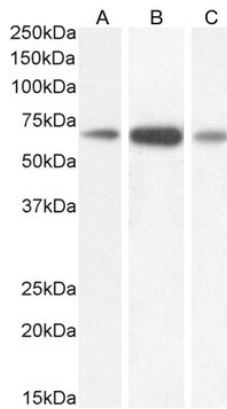
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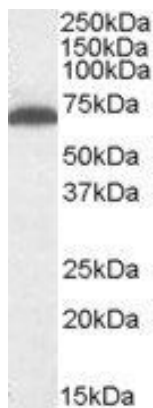
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orb20081 (1 $\mu$ g/ml) staining of Human Cerebellum (A) and Mouse Brain (B) and (0.3 $\mu$ g/ml) Rat Brain (C) lysate (35 $\mu$ g protein in RIPA buffer). Detected by chemiluminescence.



orb20081 (1 $\mu$ g/ml) staining of Mouse Brain lysate (35 $\mu$ g protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



Western blot analysis of Human Brain lysate using GAD1 antibody

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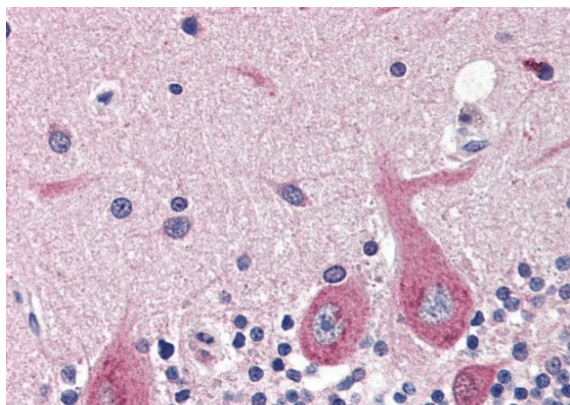
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Immunohistochemical staining of Human Cerebellum using GAD1 antibody

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