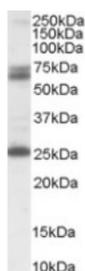




## GAD65 Antibody

CATALOG NUMBER: 45-648



Western Blot (0.3ug/ml) staining of Human Hippocampus lysate (35ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

### Specifications

<b>SPECIES REACTIVITY:</b>	Human
<b>TESTED APPLICATIONS:</b>	ELISA, WB
<b>APPLICATIONS:</b>	ELISA: antibody detection limit dilution 1:32000. Western Blot: Approx 65+70kDa bands observed in Human Brain lysates. An additional band of 26kDa is observed. All bands were blocked by the immunising peptide (calculated MW of 65.4kDa according to NP_000809.1). Recommended concentration: 0.1-0.3ug/ml.
<b>POSITIVE CONTROL:</b>	1) Cat. No. 1303 - Human Brain Tissue Lysate
<b>SPECIFICITY:</b>	This antibody is expected to recognise both reported variants.
<b>IMMUNOGEN:</b>	GAD65 antibody was raised against a 14 amino acid synthetic peptide near the internal region of GAD65.
<b>HOST SPECIES:</b>	Goat

### Properties

<b>PURIFICATION:</b>	GAD65 antibody was purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
<b>PHYSICAL STATE:</b>	Liquid
<b>BUFFER:</b>	GAD65 antibody is supplied in Tris saline, 0.02% sodium azide, pH 7.3 with 0.5% bovine serum albumin.
<b>CONCENTRATION:</b>	500 ug/mL
<b>STORAGE CONDITIONS:</b>	Aliquot and store at -20°C. Minimize freezing and thawing.
<b>CLONALITY:</b>	Polyclonal
<b>CONJUGATE:</b>	Unconjugated

### Additional Info

<b>ALTERNATE NAMES:</b>	GAD2, GAD65, glutamate decarboxylase 2 (pancreatic islets and brain, 65 kDa), Glutamate decarboxylase-2 (pancreas), 65kD)
<b>ACCESSION NO.:</b>	NP_000809.1
<b>PROTEIN GI NO.:</b>	4503875

**OFFICIAL SYMBOL:** GAD2

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**GENE ID:** 2572

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### **Background**

**REFERENCES:** 1) Meyre D, Boutin P, Tounian A, Deweirder M, Aout M, Jouret B, Heude B, Weill J, Tauber M, Tounian P, Froguel P. Is Glutamate Decarboxylase 2 (GAD2) a genetic link between low birth weight and subsequent development of obesity in children? J Clin Endocrinol Metab. 2005 Jan 25;

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December 13, 2016