

International Office

Everest Biotech Ltd

Vector Laboratories, Inc. 6737 Mowry Ave Newark, CA 94560 United States

Customer Service:

customerservice@vectorlabs.com

Technical Service:

technical@vectorlabs.com

Tel: +1 (800) 227-6666

www.everestbiotech.com

Research Use Only. Not for diagnostic or therapeutic use.

EB06730 - Goat Anti-GAD2 / GAD65 Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: GAD2, GAD65, glutamate decarboxylase 2 (pancreatic islets and brain, 65kDa), Glutamate decarboxylase-2 (pancreas), glutamate decarboxylase 2 (pancreatic islets and brain, 65kD), RP11-420F12.2, MGC161605, MGC161607, Glutamate decarboxylase-2 (pancreas)

Official Symbol: GAD2

Accession Number(s): NP_000809.1; NP_001127838.1

Human GeneID(s): 2572

Important Comments: This antibody is expected to recognise both reported variants.

Immunogen

Peptide with sequence C-TLEDNEERMSRLSK, from the internal region of the protein sequence according to NP_000809.1; NP_001127838.1.

Please note the peptide is available for sale.

Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Aliquot and store at -20°C. Minimize freezing and thawing.

Applications Tested

Peptide ELISA: antibody detection limit dilution 1:32000.

Western blot: Approx 65kDa band observed in Human Brain (Hippocampus) lysates (calculated MW of 65.4kDa according to NP_000809.1). Recommended concentration:

0.5-1.5µg/ml. Primary incubation was 1 hour.

IHC: Paraffin embedded Human Brain (Cortex). Recommended concentration: 6-8µg/ml.

Species Reactivity

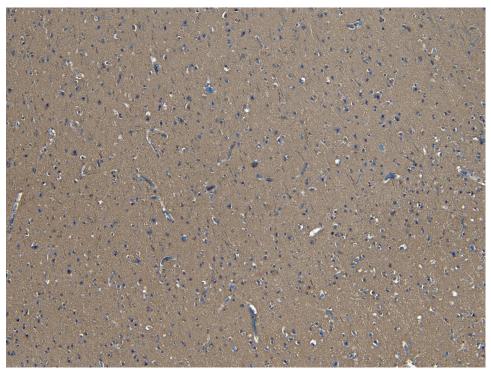
Tested: Human

Expected from sequence similarity: Human, Mouse, Rat, Dog

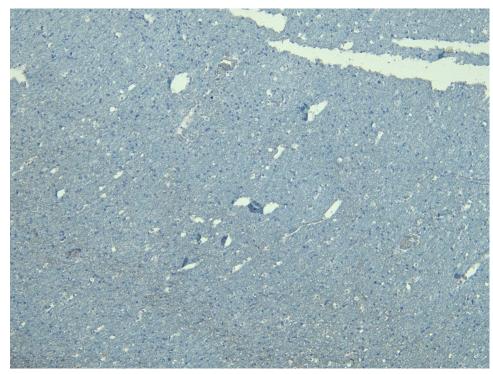
250kDa 150kDa 100kDa 75kDa 50kDa 37kDa 25kDa 20kDa

15kDa

EB06730 ($0.5\mu g/ml$) staining of Human Brain (Hippocampus) lysate ($35\mu g$ protein in RIPA buffer). Detected by chemiluminescence.



EB06730 (6μg/ml) staining of paraffin embedded Human Cortex. Heat induced antigen retrieval with citrate buffer pH 6, HRP-staining.



 ${\sf EB06730\ Negative\ Control\ showing\ staining\ of\ paraffin\ embedded\ Human\ Cortex,\ with\ no\ primary\ antibody.}$