

# Anti-GAD1 (aa 526-537) polyclonal antibody (DPABH-20152)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

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| **Antigen Description** | Catalyzes the production of GABA. |
| **Immunogen** | Synthetic peptide: C-PDSPQRREKLHK, corresponding to internal sequence amino acids 526-537 of Human GAD1 (NP_000808.2). |
| **Isotype** | IgG |
| **Source/Host** | Goat |
| **Species Reactivity** | Mouse, Rat, Human |
| **Purification** | Immunogen affinity purified |
| **Conjugate** | Unconjugated |
| **Applications** | WB, IHC-P |
| **Format** | Liquid |
| **Size** | 50 µg |
| **Buffer** | Constituents: 0.5% BSA, Tris buffered saline, pH 7.3 |
| **Preservative** | 0.02% Sodium Azide |
| **Storage** | Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles. |

## GENE INFORMATION

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|---|---|
| **Gene Name** | GAD1 glutamate decarboxylase 1 (brain, 68kDa) [ Homo sapiens ] |
| **Official Symbol** | GAD1 |
| **Synonyms** | GAD1; glutamate decarboxylase 1 (brain, 67kDa); GAD; SCP; CPSQ1; glutamate decarboxylase 1; GAD-67; 67 kDa glutamic acid decarboxylase; glutamate decarboxylase 67 kDa isoform; |
| **Entrez Gene ID** | 2571 |
| **Protein Refseq** | NP_000808.2 |
| **UniProt ID** | Q8IVA8 |
| **Pathway** | Alanine and aspartate metabolism; Alanine, aspartate and glutamate metabolism; Butanoate metabolism; GABA (gamma-Aminobutyrate) shunt |
| **Function** | glutamate binding; glutamate decarboxylase activity; protein N-terminus binding; protein binding |

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