

## GAD-65 Antibody

**Subcategory:** Rabbit Polyclonal Antibody

**Cat. No.:** 252176

**Unit:** 0.1 mg

**Description:**

65 kDa glutamic acid decarboxylase (GAD-65) catalyzes the production of GABA. In mammals, GAD exists in two isoforms encoded by two different genes - Gad1 and Gad2. These isoforms are GAD-67 and GAD-65, with molecular weights of 67 and 65 kDa, respectively. GAD-67 and GAD-65 are expressed in the brain where GABA is used as a neurotransmitter, GAD-65 is also expressed in the pancreas. Both GAD-67 and GAD-65 are targets of autoantibodies in people who later develop type 1 diabetes mellitus or latent autoimmune diabetes. Injections with GAD-65 has been shown to preserve some insulin production for 30 months in humans with type 1 diabetes.

**Isotype:** Rabbit Ig

**Applications:** E, WB, IHC

**Species Reactivity:** H

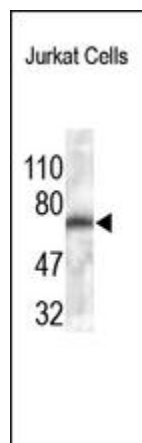
**Format:** Each vial contains 0.1 mg IgG in 0.1 ml (1 mg/ml) of PBS pH7.4, 1% BSA with 0.09% sodium azide. Antibody was purified by immunogen affinity chromatography.

**Alternate Names:** Glutamate decarboxylase 2; Glutamate decarboxylase 65 kDa isoform; 65 kDa glutamic acid decarboxylase; GAD-65; GAD2; GAD65

**Accession No.:** Q05329

**Antigen:** KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human GAD-65.

**Application Notes:** E: 1:10,000-1:50,000; WB: 1:200-1:500; IHC: 1:50-1:200



**The GAD-65 Antibody is used in Western blot to detect GAD-65 in Jurkat cell lysates.**

**Storage:** Store at -20°C. Minimize freeze-thaw cycles. Product is guaranteed one year from the date of shipment.

For research use only, not for diagnostic or therapeutic procedures.