



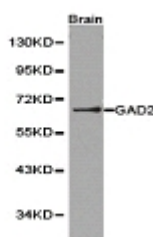
GAD2 Polyclonal Antibody

E90971

- Catalog Number:** E90971
Amount: 100ul
Background: The enzyme glutamate decarboxylase (GAD) is responsible for the synthesis of the essential neurotransmitter gamma-aminobutyric acid (GABA) from L-glutamic acid (1). GAD1 (GAD67) and GAD2 (GAD65) are expressed in nervous and endocrine systems (2) and are thought to be involved in synaptic transmission (3) and insulin secretion (4), respectively. Autoantibodies against GAD2 may serve as markers for type I diabetes (5). Many individuals suffering from an adult onset disorder known as Stiff Person Syndrome (SPS) also express autoantibodies to GAD2 (6).
Species: Rabbit
Isotype: IgG
Storage/Stability: Store at -20oC or -80oC. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Synonyms: GAD2;GAD65;MGC161605;MGC161607 ;
Immunogen: Recombinant protein of human GAD2
Purification: Affinity purification
Reactivity: H M R
Applications: WB IHC
Molecular Weight: 65kDa
Swiss-Prot No. : Q05329
Gene ID: 2572
References: 1. Kaufman, D.L. et al. (1991) J Neurochem 56, 720-3. 2. Feldblum, S. et al. (1993) J Neurosci Res 34, 689-706. 3. Gao, B. and Moore, R.Y. (1996) J Biol Rhythms 11, 172-9. 4. Rubi, B. et al. (2001) J Biol Chem 276, 36391-6. 5. Gilliam, L.K. et al. (2004) Clin Exp Immunol 138, 337-41. 6. Skorstad, G. et al. (2008) Eur J Neurol 15, 973-80.

WB 1:500 - 1:2000

IHC 1:50- 1:200



Western blot analysis of brain cell lysate using GAD2 antibody.

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