## bs-0325R

## [ Primary Antibody ]



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## **GAD65 Rabbit pAb**

DATASHEET -

Host: Rabbit Isotype: IgG

Clonality: Polyclonal

GeneID: 14417 **SWISS:** P48320

Target: GAD65

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50%

Glycerol.

Shipped at 4°C. Store at -20°C for one year. Avoid repeated

freeze/thaw cycles.

Background: This gene encodes one of several forms of glutamic acid

decarboxylase, identified as a major autoantigen in insulindependent diabetes. The enzyme encoded is responsible for catalyzing the production of gamma-aminobutyric acid from Lglutamic acid. A pathogenic role for this enzyme has been identified in the human pancreas since it has been identified as an

autoantibody and an autoreactive T cell target in insulindependent diabetes. This gene may also play a role in the stiff man

syndrome. Alternative splicing results in multiple transcript variants that encode the same protein. [provided by RefSeq, Oct

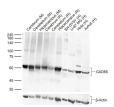
Applications: WB (1:500-2000)

Reactivity: Human, Mouse, Rat

Predicted 65 kDa MW.:

Subcellular Location: Cell membrane ,Cytoplasm

## VALIDATION IMAGES -



Sample: Lane 1: Mouse Cerebrum tissue lysates Lane 2: Mouse Cerebellum tissue lysates Lane 3: Mouse Hippocampus tissue lysates Lane 4: Rat Cerebrum tissue lysates Lane 5: Rat Cerebellum tissue lysates Lane 6: Rat Hippocampus tissue lysates Lane 7: Human SH-SY5Y cell lysates Lane 8: Human U-87 MG cell lysates Lane 9: Human Hela cell lysates Lane 10: Human Jurkat cell lysates Primary: Anti-GAD65 (bs-0325R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 65 kDa Observed band size: 62 kDa