

**bs-0325R****[ Primary Antibody ]****GAD65 Rabbit pAb****BioSS**  
**ANTIBODIES**

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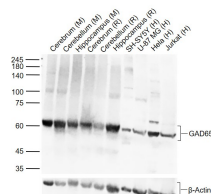
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**DATASHEET**

<b>Host:</b> Rabbit <b>Clonality:</b> Polyclonal <b>GeneID:</b> 14417 <b>Target:</b> GAD65 <b>Purification:</b> affinity purified by Protein A <b>Concentration:</b> 1mg/ml <b>Storage:</b> 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. <b>Background:</b> This gene encodes one of several forms of glutamic acid decarboxylase, identified as a major autoantigen in insulin-dependent diabetes. The enzyme encoded is responsible for catalyzing the production of gamma-aminobutyric acid from L-glutamic 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 insulin-dependent 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 2008]	<b>Isotype:</b> IgG <b>SWISS:</b> P48320	<b>Applications:</b> <b>WB</b> (1:500-2000) <b>ELISA</b> (1:5000-10000) <b>Reactivity:</b> Human, Mouse, Rat  <b>Predicted MW.:</b> 65 kDa <b>Subcellular Location:</b> Cell membrane ,Cytoplasm
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**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