

bs-13264R**[Primary Antibody]****GADL1 Rabbit pAb****BioSS**
ANTIBODIES

www.bioss.com.cn

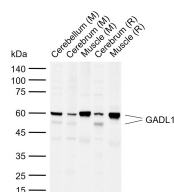
sales@bioss.com.cn

techsupport@bioss.com.cn

400-901-9800

— DATASHEET —

Host: Rabbit Clonality: Polyclonal GeneID: 339896 Target: GADL1 Immunogen: KLH conjugated synthetic peptide derived from human GADL1: 51-150/521. 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: There are two forms of glutamic acid decarboxylases (GADs) that exist in brain: GAD-65 (also known as GAD2) and GAD-67 (also known as GAD1, GAD or SCP). GAD-65 and GAD-67 are members of the group II decarboxylase family of proteins and are responsible for catalyzing the rate limiting step in the production of GABA (gamma-aminobutyric acid) from L-glutamic acid. Although both GADs are found in brain, GAD-65 localizes to synaptic vesicle membranes in nerve terminals, while GAD-67 is distributed throughout the cell. GAD-67 is responsible for the basal levels of GABA synthesis. In the case of a heightened demand for GABA in neurotransmission, GAD-65 transiently activates to assist in GABA production. As a member of the group II decarboxylase family, GADL1 (Glutamate decarboxylase-like protein 1) is a 521 amino acid protein that utilizes pyridoxal phosphate as a cofactor for its carboxylase activity. There are two isoforms of GADL1 that exist as a result of alternative splicing events.	Isotype: IgG SWISS: Q6ZQY3 Applications: WB (1:500-2000) Reactivity: Mouse, Rat (predicted: Human, Bee) Predicted MW.: 59 kDa Subcellular Location: Cell membrane ,Cytoplasm ,Nucleus
---	--

— VALIDATION IMAGES —

Sample: Lane 1: Mouse Cerebellum tissue lysates
Lane 2: Mouse Cerebrum tissue lysates Lane 3:
Mouse Muscle tissue lysates Lane 4: Rat
Cerebrum tissue lysates Lane 5: Rat Muscle
tissue lysates Primary: Anti-GADL1 (bs-13264R)
at 1/1000 dilution Secondary: IRDye800CW Goat
Anti-Rabbit IgG at 1/20000 dilution Predicted
band size: 59 kDa Observed band size: 60,50 kDa