

bs-12140R**[Primary Antibody]****DLGAP4 Rabbit pAb****BioSS**
ANTIBODIES

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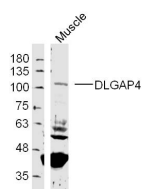
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— DATASHEET —

Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000)
Clonality: Polyclonal		Reactivity: Mouse (predicted: Human, Rat, Rabbit, Pig, Sheep, Cow, Dog, GuineaPig, Horse)
GeneID: 22839	SWISS: Q9Y2H0	Predicted MW.: 108 kDa
Target: DLGAP4		Subcellular Location: Cell membrane
Immunogen: KLH conjugated synthetic peptide derived from human SAPAP4/DLGAP4: 261-370/992.		
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: A guanylate kinase is a phosphotransferase that produces ADP and GDP from the substrates ATP and GMP. SAPAP4 is a 992 amino acid protein that likely localizes to the postsynaptic membrane of neurons to enhance neuronal signaling. SAPAP4 could act as a signaling molecule which interacts with the human genes DLG1 and DLG4/PSD-95. The gene encoding SAPAP4, DLGAP4, maps to human chromosome 20. Comprising approximately 2% of the human genome, chromosome 20 contains nearly 63 million bases that encode over 600 genes, some of which are associated with Creutzfeldt-Jakob disease, amyotrophic lateral sclerosis, spinal muscular atrophy, ring chromosome 20 epilepsy syndrome and Alagille syndrome. Additionally, chromosome 20 contains a region with numerous genes which are thought important for seminal production and may be potential targets for male contraception.		

— VALIDATION IMAGES —

Sample: Muscle (Mouse) Lysate at 40 ug Primary:
Anti- DLGAP4(bs-12140R)at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at
1/20000 dilution Predicted band size: 108 kD
Observed band size: 108 kD

— SELECTED CITATIONS —

- **[IF=4.996]** Dong, Cairong. et al. DLGAP4 acts as an effective prognostic predictor for hepatocellular carcinoma and is closely related to tumour progression. SCI REP-UK. 2022 Nov;12(1):1-14 IHC ;Human. 36396671