
DLGAP4 Rabbit pAb

Catalog Number: bs-12140R

Target Protein: DLGAP4

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: WB (1:500-2000)

Reactivity: Mouse (predicted:Human, Rat, Rabbit, Pig, Sheep, Cow, Dog, GuineaPig, Horse)

Predicted MW: 108 kDa

Entrez Gene: 22839

Swiss Prot: Q9Y2H0

Source: KLH conjugated synthetic peptide derived from human SAPAP4/DLGAP4: 261-370/992.

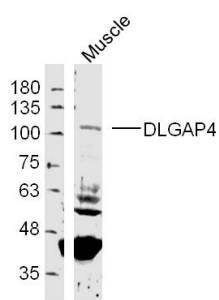
Purification: affinity purified by Protein A

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

PRODUCT SPECIFIC PUBLICATIONS

[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