

For Research Use Only

CoraLite®647-conjugated Phospho-GSK3B (Ser9) Monoclonal antibody



Catalog Number:CL650-67558

Basic Information

Catalog Number: CL650-67558	GenBank Accession Number: NM_002093	Purification Method: Protein G purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 2932	CloneNo.: 1C9E2
Source: Mouse	Full Name: glycogen synthase kinase 3 beta	Excitation/Emission maxima wavelengths: 654 nm / 674 nm
Isotype: IgG1	Observed MW: 48 kDa	

Applications

Tested Applications:
FC (Intra)

Species Specificity:
Human, mouse, rat

Background Information

Glycogen synthase kinase-3 (GSK3) is a proline-directed serine-threonine kinase that was initially identified as a phosphorylating and inactivating glycogen synthase. GSK3B is involved in energy metabolism, neuronal cell development, and body pattern formation. In skeletal muscle, it contributes to INS regulation of glycogen synthesis by phosphorylating and inhibiting GYS1 activity and hence glycogen synthesis. Researches showed that the crystal structure of human GSK3B, expressed in insect cells, at 2.8-angstrom resolution.

Storage

Storage:
Store at -20°C. Avoid exposure to light.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

***** 20ul sizes contain 0.1% BSA**

For technical support and original validation data for this product please contact:
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data