

For Research Use Only

CoraLite® Plus 488-conjugated GSK3B Polyclonal antibody



Catalog Number: CL488-22104

Featured Product

Basic Information

Catalog Number: CL488-22104	GenBank Accession Number: BC000251	Purification Method: Antigen affinity purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 2932	Recommended Dilutions: IF 1:50-1:500
Source: Rabbit	Full Name: glycogen synthase kinase 3 beta	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Isotype: IgG	Calculated MW: 433 aa, 48 kDa	
Immunogen Catalog Number: AG17320	Observed MW: 46-48 kDa	

Applications

Tested Applications: IF	Positive Controls: IF : MCF-7 cells,
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. This antibody recognize the C-terminal of GSK3B.

Storage

Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
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

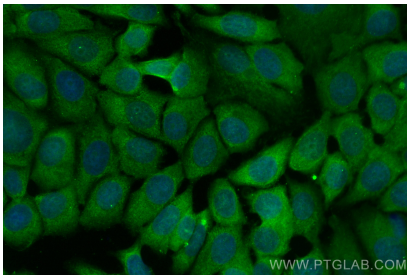
For technical support and original validation data for this product please contact:

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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



Immunofluorescent analysis of (4% PFA) fixed MCF-7 cells using CoraLite® Plus 488 GSK3B antibody (CL488-22104) at dilution of 1:200.