

Product Name: GSK3 beta Mouse Monoclonal Antibody
Catalog #: AMM85045



Summary

Production Name	GSK3 beta Mouse Monoclonal Antibody
Description	Mouse monoclonal Antibody
Host	Mouse
Application	WB,ICC,FC,IP
Reactivity	Human,Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG2a
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Purified antibody in PBS with 0.05% sodium azide,0.5%protective protein and 50% glycerol.
Purification	Affinity Purification

Immunogen

Gene Name	GSK3 beta
Alternative Names	GSK3B; Glycogen synthase kinase-3 beta; GSK-3 beta; Serine/threonine-protein kinase GSK3B
Gene ID	2932.0
SwissProt ID	P49841.Purified recombinant GSK-3 β protein fragments expressed in E.coli.

Application

Dilution Ratio	WB 1:500-1:1000,ICC 1:50-1:200,FC 1:50-1:100,IP 1:10-1:20
Molecular Weight	Calculated MW: 47 kDa; Observed MW: 47 kDa

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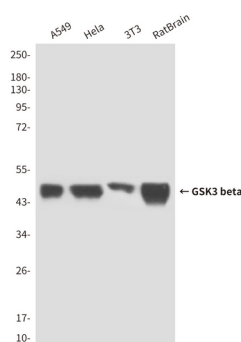
Background

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 insulin regulation of glycogen synthesis by phosphorylating and inhibiting GYS1 activity and hence glycogen synthesis.

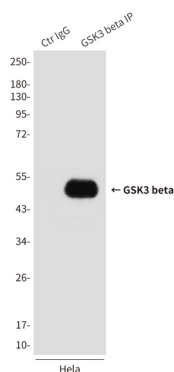
Research Area

Wnt signaling pathway, PI3K-Akt signaling pathway

Image Data

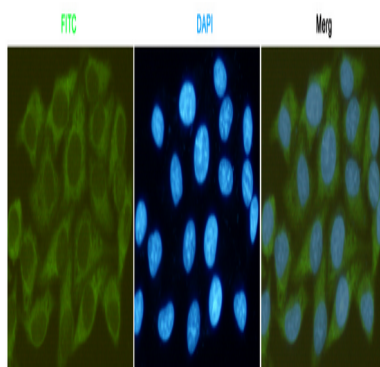


Western blot analysis of GSK3 beta in A549, HeLa, 3T3 and rat Brain lysates using GSK3 beta antibody.



Immunoprecipitation analysis of GSK3 beta in HeLa lysates using GSK3 beta antibody. Western blot analysis of GSK3 beta using GSK3 beta antibody.

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Immunocytochemistry analysis of GSK3 beta in HeLa using GSK3 beta antibody.

Note

For research use only.