

**Product Name: Phospho-GSK3 beta (Ser9) Rabbit
Monoclonal Antibody
Catalog #: AMRe84846**

Summary

Production Name	Phospho-GSK3 beta (Ser9) Rabbit Monoclonal Antibody
Description	Recombinant rabbit monoclonal antibody
Host	Rabbit
Application	WB,IHC,ICC
Reactivity	Human,Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Phosphorylated
Isotype	IgG
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 TBS with 0.05% sodium azide,0.05%protective protein and 50% glycerol.
Purification	Affinity Purification

Immunogen

Gene Name	Phospho-GSK3 beta (Ser9)
Alternative Names	GSK3B; Glycogen synthase kinase-3 beta; GSK-3 beta; Serine/threonine-protein kinase GSK3B
Gene ID	2932.0
SwissProt ID	P49841.A synthetic phosphopeptide corresponding to residues surrounding Ser9 of human GSK3 beta

Application

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

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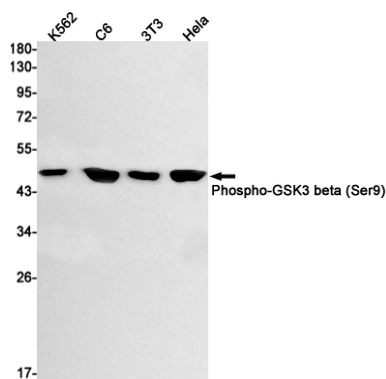
Background

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.

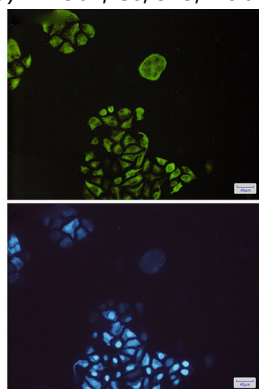
Research Area

Wnt signaling pathway, PI3K-Akt signaling pathway

Image Data

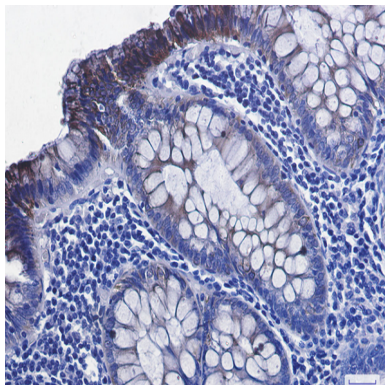


Western blot analysis of Phospho-GSK3 beta (Ser9) in K562, C6, 3T3, HeLa lysates using Phospho-GSK3 beta (Ser9) antibody.



Immunocytochemistry analysis of Phospho-GSK3 beta (Ser9)(green) in HeLa using Phospho-GSK3 beta (Ser9) antibody, and DAPI(blue)

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Immunohistochemistry analysis of paraffin-embedded Human colon cancer using Phospho-GSK3 beta (Ser9) antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.

Note

For research use only.