Product Name: Phospho-GSK3 beta (Ser9) Rabbit Monoclonal Antibody
Catalog #: AMRe01551

Summary

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

Performance

Conjugation	Unconjugated
Modification	Phosphorylated
Isotype	IgG
Clonality	Monoclonal Antibody
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA
Purification	Affinity Purified

Immunogen

Gene Name	GSK3B
Alternative Names	GSK3B; Glycogen synthase kinase-3 beta; GSK-3 beta; Serine/threonine-protein kinase GSK3B
Gene ID	2932
SwissProt ID	P49841

Application

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

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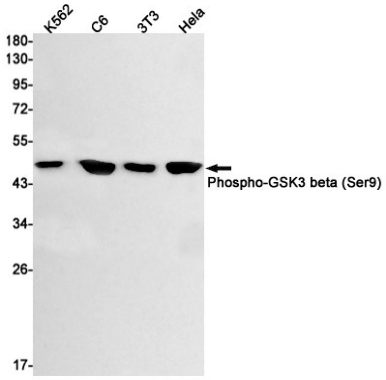
Background

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.

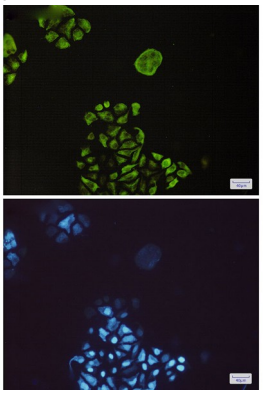
Research Area

Neuroscience

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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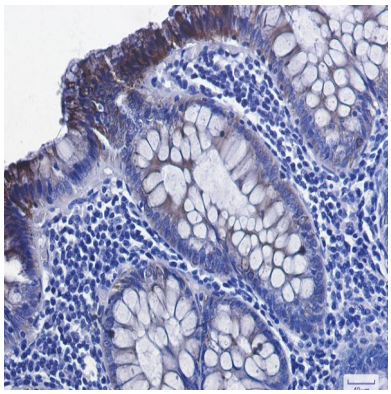

Immunohistochemistry analysis of paraffin-embedded Human colon cancer using Phospho-GSK3 beta (Ser9) antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.

Note

For research use only.