

Product Name: GSK3 beta (4C4) Mouse Monoclonal Antibody**Catalog #: AMM03605**

For research use only.

Summary

Description	Mouse monoclonal Antibody
Host	Mouse
Application	WB,IHC
Reactivity	Human,Rat,Mouse
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG1
Clonality	Monoclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% sodium azide, pH 7.3.
Purification	Affinity Purification

Application

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

Antigen Information

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
Immunogen	A synthetic peptide corresponding to target protein

Background

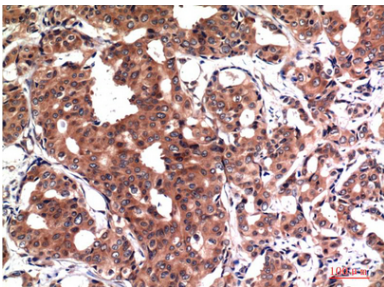
Glycogen synthase kinase-3 (GSK3) is a proline-directed serine-threonine kinase that was initially identified as a

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.

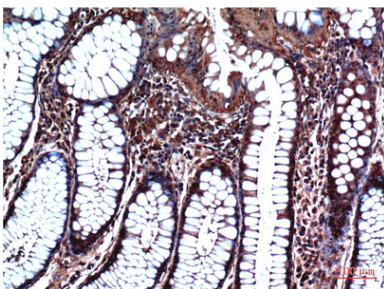
Research Area

Neuroscience

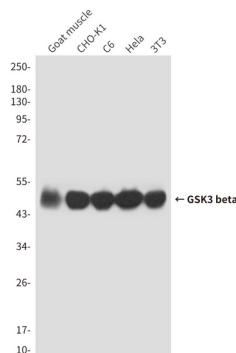
Image Data



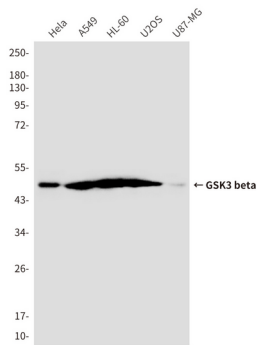
Immunohistochemistry analysis of paraffin-embedded Human Breast Carcinoma Tissue using GSK3 beta (4C4) antibody.High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.



Immunohistochemical analysis of paraffin-embedded Human tonsils using GSK3 beta (4C4) antibody.High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.



Western blot analysis of GSK3 beta (4C4) in Goat muscle, CHO-K1, C6, HeLa, 3T3 lysates using GSK3 beta (4C4) antibody



Western blot analysis of GSK3 beta (4C4) in Hela, A549, HL-60, U2OS, U87-MG lysates using GSK3 beta (4C4) antibody.