
Product Name: GSK3 beta Mouse Monoclonal Antibody**Catalog #: AMM85031**

For research use only.

Summary

Description	Mouse monoclonal Antibody
Host	Mouse
Application	WB,IHC
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse 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	Purified antibody in PBS with 0.05% sodium azide,0.5%protective protein and 50% glycerol.
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	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
Immunogen	Synthetic peptide conjugated to KLH.

Background

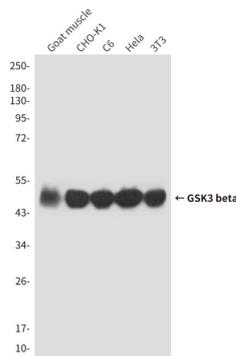
Glycogen synthase kinase-3 (GSK3) is a proline-directed serine-threonine kinase that was initially identified as a phosphorylating and inactivating glycogen synthase .GSK3B is involved in energy metabolism, neuronal cell development, and

body pattern formation. In skeletal muscle, it contributes to insulin regulation of glycogen synthesis by phosphorylating and inhibiting GYS1 activity and hence glycogen synthesis.

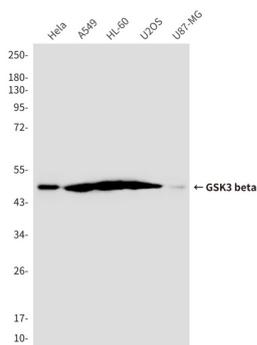
Research Area

Wnt signaling pathway, PI3K-Akt signaling pathway

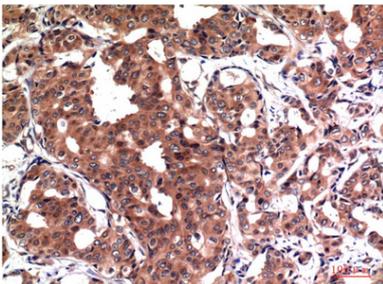
Image Data



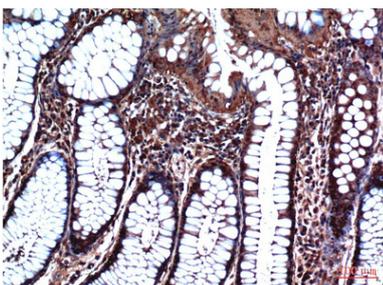
Western blot analysis of GSK3 beta in Goat muscle, CHO-K1, C6, HeLa, 3T3 lysates using GSK3 beta antibody



Western blot analysis of GSK3 beta in HeLa, A549, HL-60, U2OS, U87-MG lysates using GSK3 beta antibody.



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

