

## **Product Description**

Pioneering GTPase and Oncogene Product Development since 2010

## GSK3 BETA MOUSE MAB

Cat.#: N261206

Product Name: Anti-GSK3 beta Mouse Monoclonal Antibody
Synonyms: GSK3B; Glycogen synthase kinase-3 beta; GSK-3 beta; Serine/threonine-protein kinase GSK3B
UNIPROT ID: P49841
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.
Immunogen: Purified recombinant fragment of human GSK3B (AA: 2-159) expressed in E. Coli.

**Applications:** WB,IHC-P,FC

**Recommended Dilutions:** WB: 1/500-1/1000 IHC: 1/50-1/100 FC: 1/50-1/100

Host Species: Mouse

Clonality: Mouse Monoclonal

Clone ID: 7D8A6

MW: Calculated MW: 47 kDa; Observed MW: 47 kDa

Isotype: IgG1

Purification: Affinity Purified

Species Reactivity: Human, Mouse, Rat

Conjugation: Unconjugated

Modification: Unmodified

**Constituents:** PBS (without Mg2+ and Ca2+), pH 7.3 containing 50% glycerol, 0.5% BSA and 0.02% sodium azide

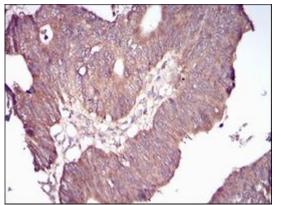
Research Areas: Neuroscience

**Storage & Shipping:** Store at -20°C. Avoid repeated freezing and thawing

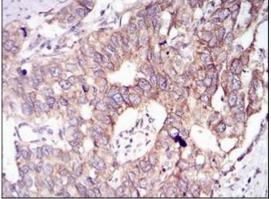


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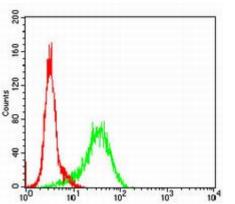


Immunohistochemistry analysis of paraffin-embedded rectum cancer tissues using GSK3B antibody with DAB staining.Highpressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.



Immunohistochemistry analysis of paraffin-embedded esophageal cancer tissues using GSK3B antibody with DAB staining.High-Citrate pH 6.0 was used for

antigen retrieval.



Flow Cytometry analysis of NIH/3T3 cells stained with GSK3B antibody (green) and negative control (red).

	-	10	s wi	prain.
250-				
180-				
180- 130- 15- 72-				
72				
55-				
43-	-		-	+ GSK3 beta
34				
26-				
11-				
10-				

Western blot analysis of GSK3B antibody in Hela, 3T3, C6, rat Brain pressure and temperature Sodium lysates using GSK3B antibody.