

Anti-GSK3 alpha Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

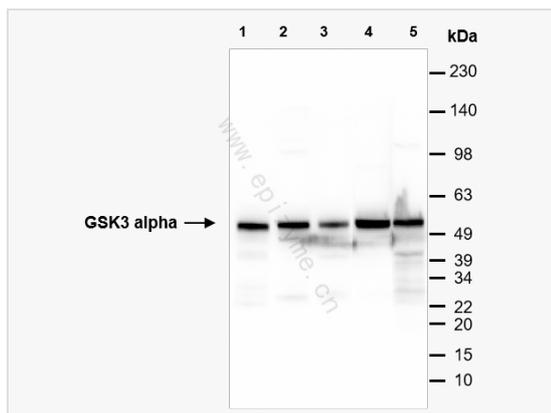
Catalog # R014191

Product Information

Application	WB, IF (Cell)/ICC, ELISA
Reactivity	Rat, Human, Mouse
Dilution	WB 1:1,000~1:2,000; IF 1:100~1:200
Host	Rabbit
Clonality	Monoclonal
Clone No.	63I72N28
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human GSK3 alpha
Format	Affinity purified monoclonal antibody supplied in PBS with 0.01% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-GSK3 alpha Rabbit mAb [63I72N28] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	DKFZp686D0638, Glycogen synthase kinase 3 alpha, Glycogen synthase kinase-3 alpha, GSK 3 alpha, GSK 3A, GSK-3 alpha, Gsk3a, GSK3A_HUMAN, GSK3alpha, Serine/threonine protein kinase GSK3A.
Calculated MW	Calculated MW: 51 kDa; Observed MW: 51 kDa
Uniprot ID	P49840
Gene ID	2931
Background	Implicated in the hormonal control of several regulatory proteins including glycogen synthase, MYB and the transcription factor JUN.



Western Blot - Anti-GSK3 alpha Rabbit mAb [63172N28]

All lanes: R014191 at 1:1,000 dilution

Lane 1: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates

Lane 2: Raw264.7 (Mouse mononuclear macrophage leukemia cell) whole cell lysates

Lane 3: C2C12 (Mouse myoblasts epithelial cell) whole cell lysates

Lane 4: Rat heart whole tissue lysates

Lane 5: Rat spleen whole tissue lysates

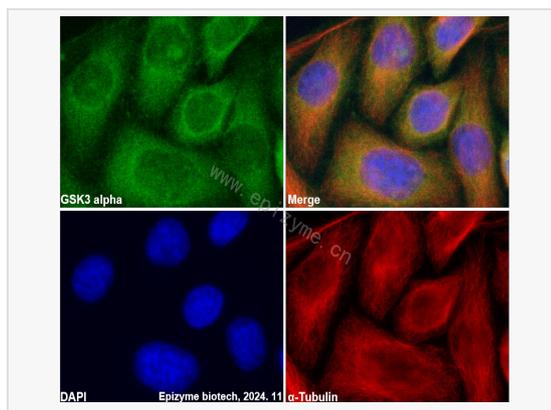
Lysates/proteins at 10 µg per lane.

Secondary antibody: Goat Anti-Rabbit IgG(H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution

Predicted band size: 51 kDa

Observed band size: 51 kDa

Developed using the ECL technique (Cat. No. SQ201).



Immunofluorescence - Anti-GSK3 alpha Rabbit mAb [63172N28]

Sample: HeLa cells

The cells were fixed with 4% paraformaldehyde (10 min), permeabilized with 0.5% Triton X-100 for 10 minutes and then blocked with 5% BSA in 0.1% PBS-Tween for 0.5 hours.

Primary antibodies: R014191 at 1:100 dilution and α -tubulin Mouse Monoclonal Antibody (Cat. No. LF209) at 1:100 dilution

Secondary antibodies: Goat anti-Rabbit (488) at 1:1,000 dilution (shown in green) and Goat anti-Mouse (555) at 1:1,000 dilution (shown in red)

Nuclei were stained with DAPI (shown in blue).