

KD-Validated Anti-GSK3 alpha Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

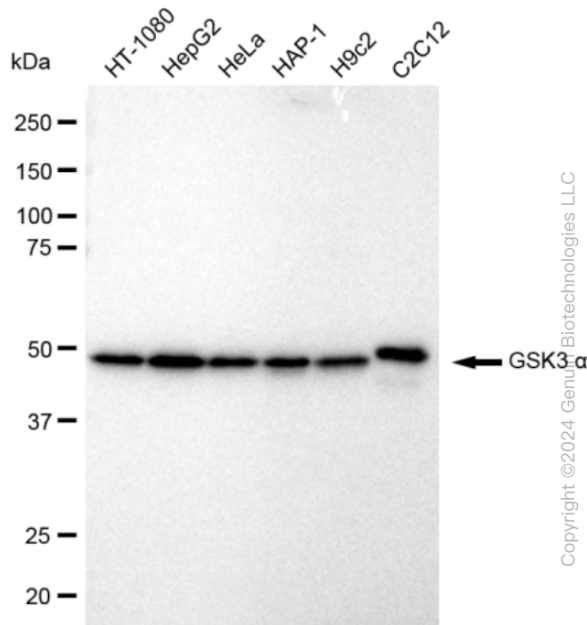
ABG2395

Product Overview

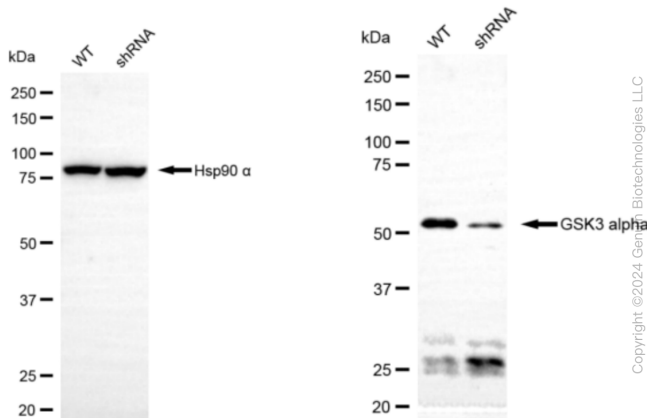
Name	KD-Validated Anti-GSK3 alpha Rabbit Monoclonal Antibody
Accession(Primary)	P49840
Host Species	Rabbit
Clonality	Monoclonal
Isotype	Rabbit IgG
Immunogen	A synthesized peptide derived from human GSK3A
Species Reactivity	Human, Mouse, Rat
Calculated MW	Predicted, 51 kDa; Observed, 51 kDa
Storage Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Recommended Dilution	Western blotting (WB): 1:1,000-1:5,000 Flow cytometry (FCM): 1:2,000 Immunocytochemistry (IC): 1:100-1:1,000

Target information (P49840)

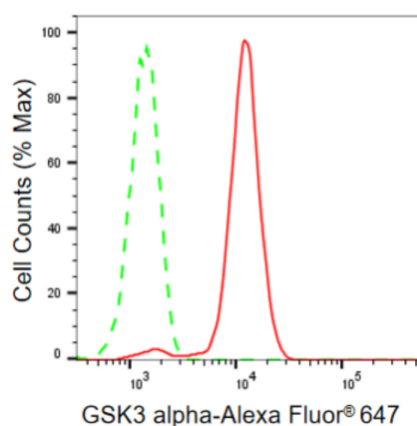
Gene Name	GSK3A
About Gene Symbol	GSK3A (Glycogen Synthase Kinase 3 Alpha) is a serine/threonine protein kinase involved in cell signaling and proliferation. It is an important research target in cancer, cell signaling, and therapeutic target research and is widely studied to elucidate cellular mechanisms and identify therapeutic targets.



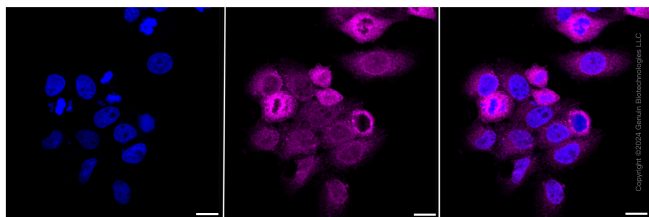
Western blotting analysis using anti-GSK3 α antibody (Cat#ABG2395). Total cell lysates (30 μ g) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-GSK3 α antibody (Cat#ABG2395, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Western blotting analysis using anti-GSK3 α antibody (Cat#ABG2395). GSK3 α expression in wild type (WT) and GSK3 α shRNA knockdown (KD) HeLa cells with 30 μ g of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with anti-GSK3 α antibody (Cat#ABG2395, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Flow cytometric analysis of GSK3 α expression in HepG2 cells using GSK3 α antibody (Cat#ABG2395, 1:2,000). Green, isotype control; red, GSK3 α .



Immunocytochemical staining of HepG2 cells with GSK3 alpha antibody (Cat#ABG2395, 1:1,000).

Nuclei were stained blue with DAPI; GSK3 alpha was stained magenta with Alexa Fluor® 647.

Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar: 20 μ m.