

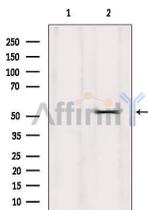
Phospho-GSK3 alpha (Ser21) Antibody

Cat.#: AF3336
Size: 100ul,200ul

Concn.: 1mg/ml
Source: Rabbit

Mol.Wt.: 51kDa
Clonality: Polyclonal

Application:	WB 1:500-1:2000, IHC 1:50-1:200, IP, ELISA(peptide) 1:20000-1:40000
Reactivity:	Human,Mouse,Rat
Purification:	The antibody is from purified rabbit serum by affinity purification via sequential chromatography on phospho-peptide and non-phospho-peptide affinity columns.
Specificity:	Phospho-GSK3 alpha (Ser21) Antibody detects endogenous levels of GSK3 alpha only when phosphorylated at Serine 21.
Immunogen:	A synthesized peptide derived from human GSK3 alpha around the phosphorylation site of Ser21.
Uniprot:	P49840
Description:	GSK3A a proline-directed protein kinase of the GSK family. Implicated in the control of several regulatory proteins including glycogen synthase, Myb, and c-Jun. GSK3 and GSK3 have similar functions. GSK3 phosphorylates tau, the principal component of neurofibrillary tangles in Alzheimer disease and is required for maximal production of amyloid plaque peptides by secretase.
Storage Condition and Buffer:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt.



Western blot analysis of extracts from Hybridoma cells, using Phospho-GSK3 alpha (Ser21) Antibody. Lane 1 was treated with the blocking peptide.



Western blot analysis of extracts from mouse brain/rat lung, using Phospho-GSK3 alpha (Ser21) Antibody. -/+ means absence or presence of N peptide(non-phospho peptide) and P peptide(phospho peptide)



AF3336 at 1/100 staining human Lymphoma tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit antibody was used as the secondary antibody.

IMPORTANT: For western blot, incubate membrane with diluted primary Ab in 5% w/v milk , 1X TBS, 0.1% Tween@20 at 4°C with gentle shaking, overnight.

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