

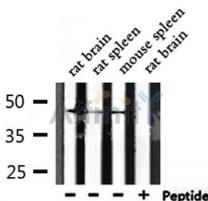
Phospho-GSK3 alpha/ beta (Tyr279/216) Ab

Cat.#: AF3335
Size: 100ul,200ul

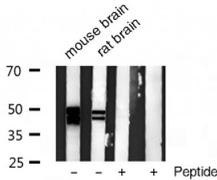
Concn.: 1mg/ml
Source: Rabbit

Mol.Wt.: 51,46kDa
Clonality: Polyclonal

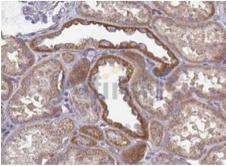
Application:	WB 1:500-1:2000 IHC 1:50-1:200
Reactivity:	Human,Mouse,Rat
Purification:	The Ab is from purified rabbit serum by affinity purification via sequential chromatography on phospho- and non-phospho-peptide affinity columns.
Specificity:	Phospho-GSK3 alpha/ beta (Tyr279/216) Ab detects endogenous levels of GSK3 alpha/ beta only when phosphorylated at Tyrosine 279/216.
Immunogen:	A synthesized peptide derived from human GSK3 alpha/ beta around the phosphorylation site of Tyrosine 279/216.
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.
Subcellular Location:	Cytoplasmic and Nuclear
Similarity:	Belongs to the protein kinase superfamily. CMGC Ser/Thr protein kinase family. GSK-3 subfamily.
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 rat brain, rat spleen, mouse spleen, using Phospho-GSK3 alpha/ beta (Tyr279/216) Ab.



Western blot analysis of extracts from various samples, using Phospho-GSK3 alpha/ beta (Tyr279/216) Ab



AF3335 at 1/50 staining human kidney 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 Ab for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit Ab was used as the secondary.

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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