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**Product Name: Phospho-GSK3 (Tyr279/Tyr216) Rabbit Polyclonal Antibody****Catalog #: APRab00953**

For research use only.

**Summary**

<b>Description</b>	Rabbit polyclonal Antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB,IHC,ICC/IF
<b>Reactivity</b>	Human,Mouse,Rat
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Phosphorylated
<b>Isotype</b>	IgG
<b>Clonality</b>	Polyclonal
<b>Form</b>	Liquid
<b>Concentration</b>	1mg/ml
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% sodium azide, pH 7.3.
<b>Purification</b>	Affinity Purification

**Application**

<b>Dilution Ratio</b>	WB 1:500-1:1000,IHC 1:50-1:100,ICC/IF 1:100-1:200
<b>Molecular Weight</b>	Calculated MW: 51 kDa; Observed MW: 46,51 kDa

**Antigen Information**

<b>Gene Name</b>	GSK3A
<b>Alternative Names</b>	Serine/threonine-protein kinase GSK3A
<b>Gene ID</b>	2931
<b>SwissProt ID</b>	P49840
<b>Immunogen</b>	A synthetic Phosphorylated peptide corresponding to residues target protein

**Background**

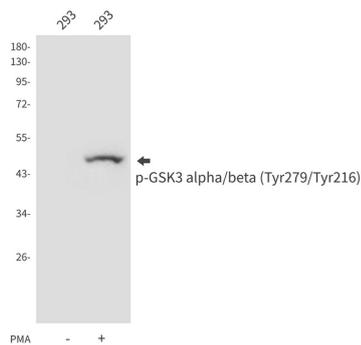
GSK3A a proline-directed protein kinase of the GSK family. Implicated in the control of several regulatory proteins including glycogen synthase, Myb, and c-Jun. GSK3 and GSK3 have similar functions. GSK3 phosphorylates tau, the principal component

of neurofibrillary tangles in Alzheimer disease and is required for maximal production of amyloid plaque peptides by secretase.

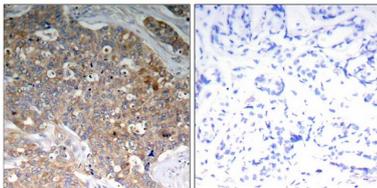
## Research Area

Neuroscience

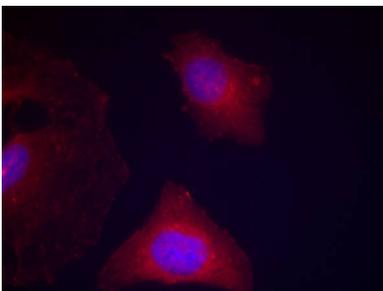
## Image Data



Western blot analysis of Phospho-GSK3 (Tyr279/Tyr216) in 293 lysates using Phospho-GSK3 alpha/beta (Tyr279/Tyr216) antibody.



Immunohistochemistry analysis of paraffin-embedded Human breast carcinoma tissue using Phospho-GSK3 (Tyr279/Tyr216) antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval. Sample with blocking peptide on the right.



Immunofluorescence analysis of Phospho-GSK3 (Tyr279/Tyr216) in HeLa cells using GSK3a/b(Phospho-Tyr279/216) antibody (red).