

GSK3 α/β (Phospho-Tyr216/Tyr279) Rabbit mAb

Catalog No: #14236



Package Size: #14236-1 50ul #14236-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

Description

Product Name	GSK3 α/β (Phospho-Tyr216/Tyr279) Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal
Isotype	Rabbit IgG
Purification	Affinity-chromatography
Applications	WB IHC ICC/IF
Species Reactivity	Human;Mouse;Rat
Specificity	Phospho-GSK3 (alpha + beta)(Y216 + Y279) Antibody detects endogenous levels of total Phospho-GSK3 (alpha + beta)(Y216 + Y279)
Immunogen Description	A synthesized peptide derived from human Phospho-GSK3 (alpha + beta)(Y216 + Y279)
Conjugates	Unconjugated
Other Names	Glycogen synthase kinase-3 alpha; GSK-3 alpha; GSK3A
Accession No.	Uniprot:P49840
Calculated MW	51,47kDa
SDS-PAGE MW	51,46kDa
Formulation	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Application Details

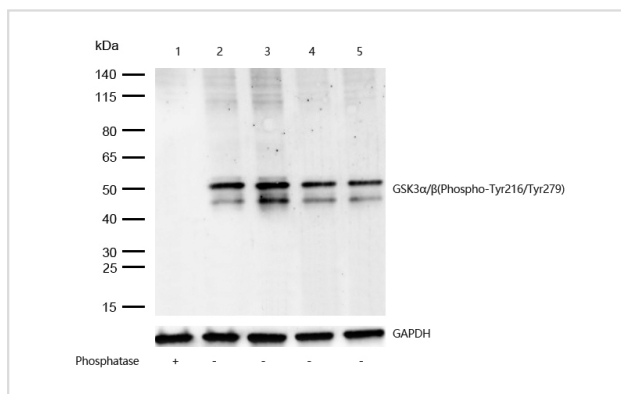
WB:1:500~1:2000

IHC:1:50~1:200

ICC/IF:1:50~1:200

IP:1:50

Images



All lanes: GSK3 α/β (Phospho-Tyr216/Tyr279) Rabbit mAb at 1/1k dilution

Lane 1 : 293 treated with alkaline phosphatase whole cell lysates

Lane 2 : 293 whole cell lysates Lane 3 : SH-SY5Y whole cell lysates
Lane 4 : Mouse brain lysates Lane 5 : Rat brain lysates

Lysates/proteins at 20 μ g per lane.

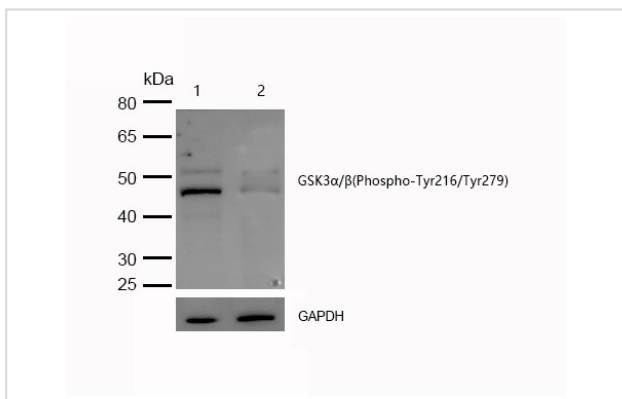
Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) at 1/20000 dilution

Predicted band size: 51,47 kDa

Observed band size: 51,46 kDa

Exposure time: 5 seconds

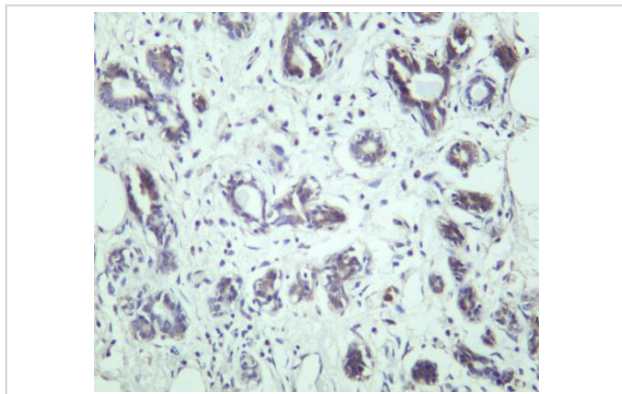


All lanes : GSK3α/β(Phospho-Tyr216/Tyr279) Rabbit mAb at 1/1k dilution

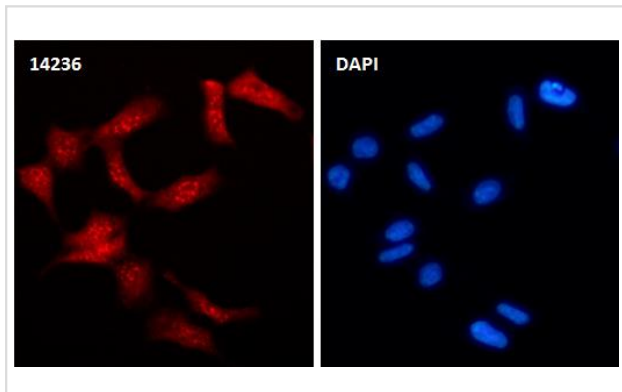
Lane 1 : Wild-type A549 cell lysate

Lane 2 : GSK3α/β(Phospho-Tyr216/Tyr279) knockdown A549 cell lysate

Lysates/proteins at 20 µg per lane.



Formalin-fixed, paraffin-embedded human thyroid tissue stained for GSK3α/β(Phospho-Tyr216/Tyr279) using 14236 at 1/100 dilution in immunohistochemical analysis.



Immunocytochemistry/ Immunofluorescence

GSK3α/β(Phospho-Tyr216/Tyr279) antibody (14236)

ICC/IF staining of GSK3α/β(Phospho-Tyr216/Tyr279) in 293T cells. Cells were fixed with 4% Paraformaldehyde permeabilized with 0.1% Triton X-100.

Samples were incubated with 14236 at a working dilution of 1/100. The secondary antibody was Alexa FluorB 647 goat anti rabbit, used at a dilution of 1/500.

Nuclei were counterstained with DAPI.

Product 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.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.