GSK3α/β(Phospho-Tyr279/216) Antibody

Catalog No: #11301

Package Size: #11301-1 50ul #11301-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

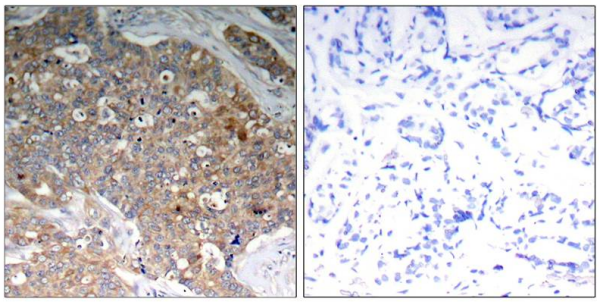
Description

Product Name	GSK3α/β(Phospho-Tyr279/216) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatogramphy using non-phosphopeptide.
Applications	WB, IHC
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous level of GSK3α/β only when phosphorylated at tyrosine 279/216.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of tyrosine 279/216 (V-S-Y(p)-I-C) derived from Human GSK3α/β.
Target Name	GSK3α/β
Modification	Phospho
Other Names	Factor A; GSK-3 alpha/beta; kinase GSK3-alpha/beta
Accession No.	Swiss-Prot:P49840Gene ID:2931
Uniprot	P49840
GeneID	2931;
Concentration	1.0mg/ml
Formulation	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.

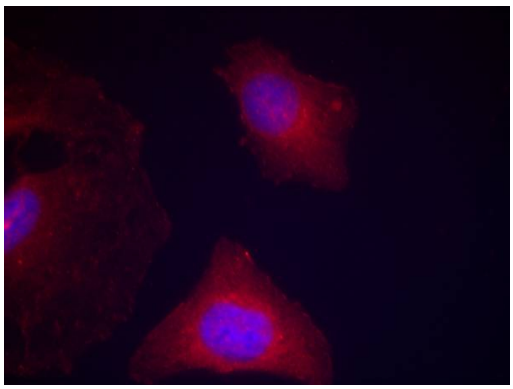
Application Details

WB 1:500 - 1:1000), IHC 1:100 - 1:200

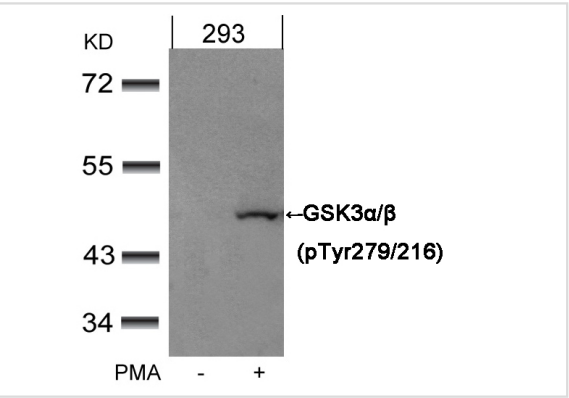
Images



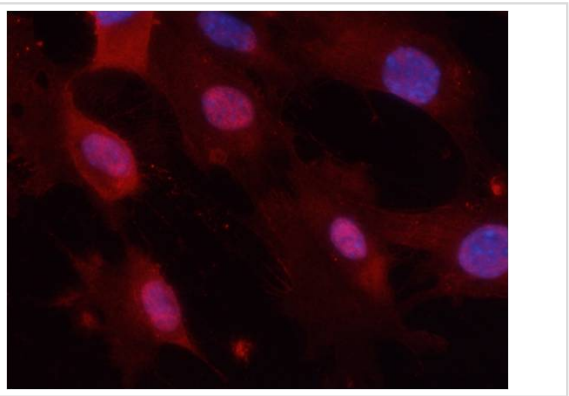
Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using GSK3α/β(Phospho-Tyr279/216) Antibody #11301 (left) or the same antibody preincubated with blocking peptide #51301 (right).



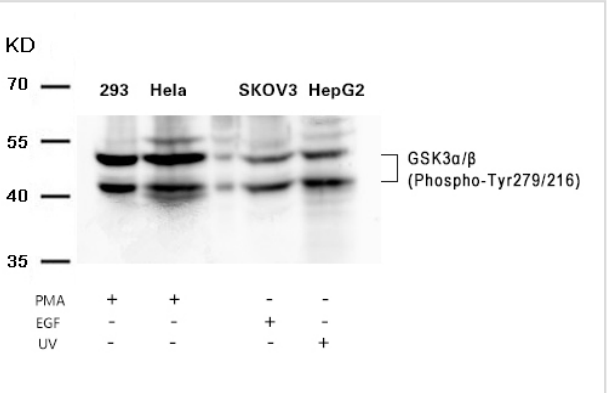
Immunofluorescence staining of methanol-fixed Hela cells using GSK3α/β(Phospho-Tyr279/216) Antibody #11301.



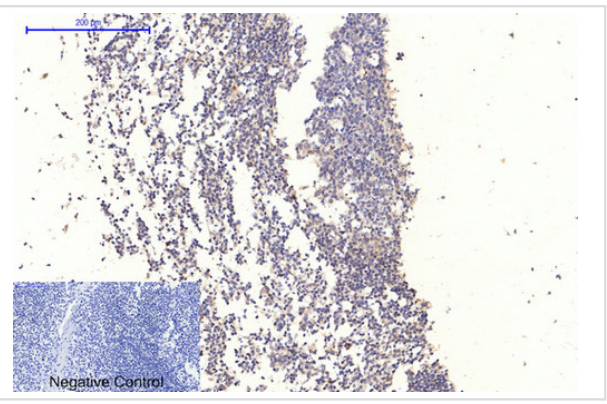
Western blot analysis of extracts from 293 cells untreated or treated with PMA using GSK3α/β(Phospho-Tyr279/216) Antibody #11301.



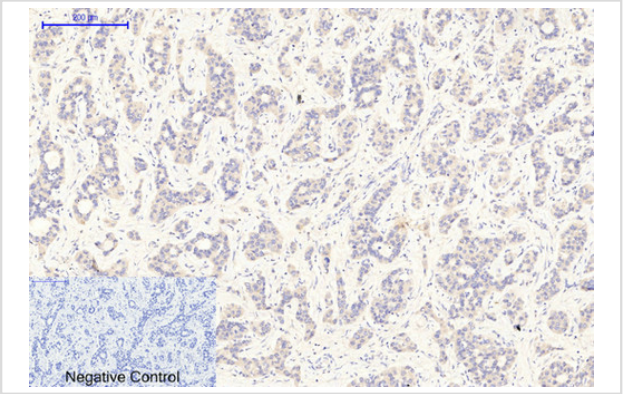
Immunofluorescence staining of methanol-fixed MEF cells using GSK3α/β(Phospho-Tyr279/216) Antibody #11301.



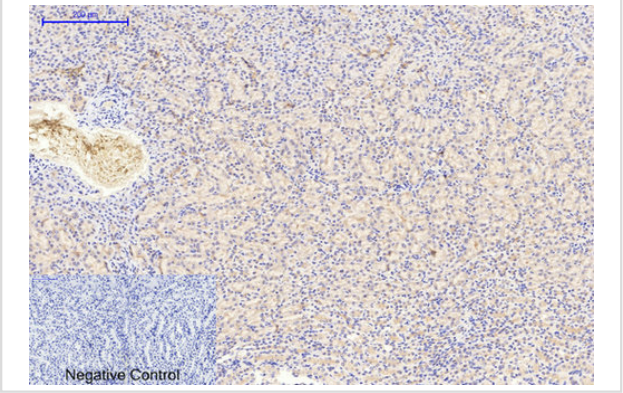
Western blot analysis of extracts of various cell lines,using GSK3α/β(Phospho-Tyr279/216) Antibody#11301.



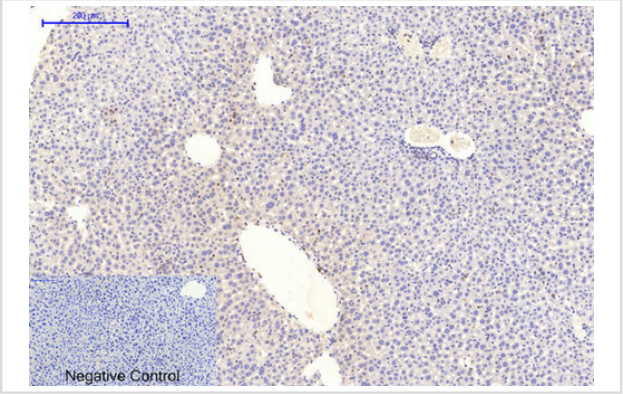
Immunohistochemical analysis of paraffin-embedded Human-Tonsil tissue. 1,GSK3α/β (phospho Tyr279/216) Polyclonal Antibody was diluted at 1:200(4°C,overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3,Secondary antibody was diluted at 1:200(room tempeRature, 30min). Negative control was used by secondary antibody only.



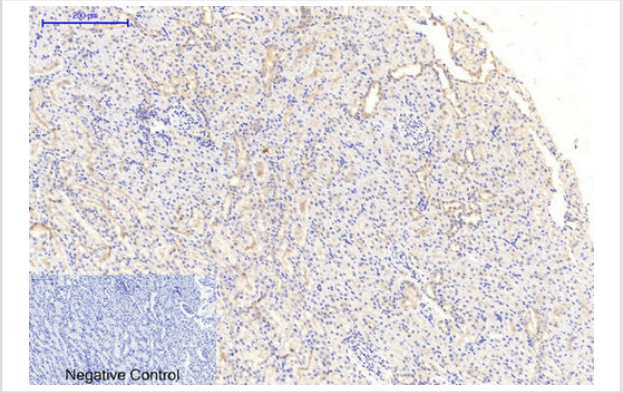
Immunohistochemical analysis of paraffin-embedded Human-liver-cancer tissue. 1,GSK3α/β (phospho Tyr279/216) Polyclonal Antibody was diluted at 1:200(4°C,overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3,Secondary antibody was diluted at 1:200(room tempeRature, 30min). Negative control was used by secondary antibody only.



Immunohistochemical analysis of paraffin-embedded Mouse-kidney tissue. 1,GSK3α/β (phospho Tyr279/216) Polyclonal Antibody was diluted at 1:200(4°C,overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3,Secondary antibody was diluted at 1:200(room tempeRature, 30min). Negative control was used by secondary antibody only.



Immunohistochemical analysis of paraffin-embedded Mouse-liver tissue. 1,GSK3α/β (phospho Tyr279/216) Polyclonal Antibody was diluted at 1:200(4°C,overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3,Secondary antibody was diluted at 1:200(room tempeRature, 30min). Negative control was used by secondary antibody only.



Immunohistochemical analysis of paraffin-embedded Rat-kidney tissue. 1,GSK3α/β (phospho Tyr279/216) Polyclonal Antibody was diluted at 1:200(4°C,overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3,Secondary antibody was diluted at 1:200(room tempeRature, 30min). Negative control was used by secondary antibody only.

Background

glycogen synthase kinase 3 alpha(GSK3A) Homo sapiens This gene encodes a multifunctional Ser/Thr protein kinase that is implicated in the control of several regulatory proteins including glycogen synthase, and transcription factors, such as JUN. It also plays a role in the WNT and PI3K signaling pathways, as well as regulates the production of beta-amyloid peptides associated with Alzheimer's disease. [provided by RefSeq, Oct 2011],

Note: This product is for in vitro research use only