

Product Datasheet

GSK-3 beta [p Tyr279, p Tyr216] Antibody - BSA Free NB100-81946

Unit Size: 0.05 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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Publications: 11

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NB100-81946

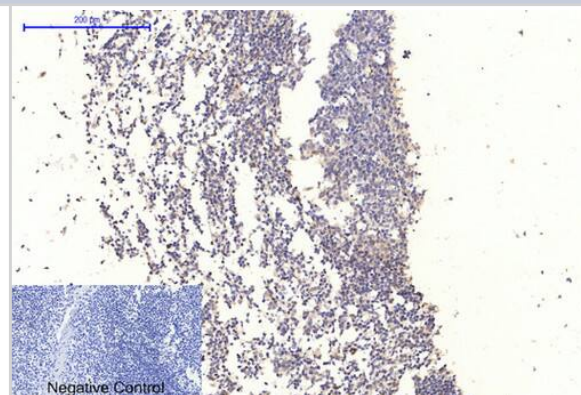
GSK-3 beta [p Tyr279, p Tyr216] Antibody - BSA Free

Product Information	
Unit Size	0.05 ml
Concentration	1.0 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.01% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol
Target Molecular Weight	46 kDa
Product Description	
Description	Novus Biologicals Rabbit GSK-3 beta [p Tyr279, p Tyr216] Antibody - BSA Free (NB100-81946) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. Anti-GSK-3 beta Antibody: Cited in 11 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	2932
Gene Symbol	GSK3B
Species	Human, Mouse, Rat, Mammal
Reactivity Notes	Use in Mammal reported in scientific literature (PMID:33413691)
Specificity/Sensitivity	Detects endogenous levels of GSK-3 beta only when phosphorylated at tyrosine 216/279.
Immunogen	The antiserum was produced against synthesized phosphopeptide derived from human GSK-3 beta around the phosphorylation site of tyrosine 279/216 (V-S-YP-I-C).
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 1:500-1:1000, Immunohistochemistry 1:100-1:200, Immunocytochemistry/ Immunofluorescence 1:100-1:200, Immunohistochemistry-Paraffin 1:10-1:500

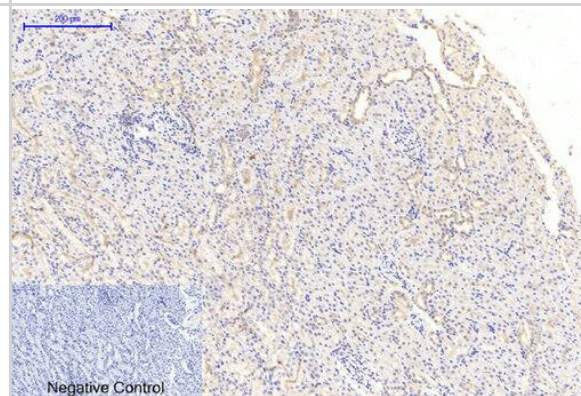


Images

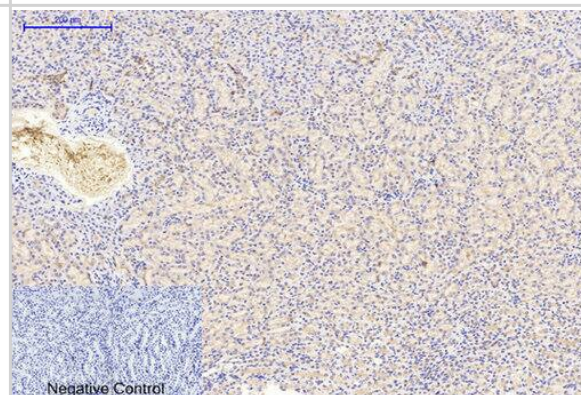
Immunohistochemistry-Paraffin: GSK-3 beta [p Tyr279, p Tyr216] Antibody [NB100-81946] - Immunohistochemical analysis of paraffin-embedded Human-Tonsil tissue. 1, NB100-81946 was diluted at 1: 200 (4C, overnight). 2, Sodium citrate pH 6. 0 was used for antibody retrieval (>98C, 20min). 3, Secondary antibody was diluted at 1:200 (room temperature, 30min). Negative control was used by secondary antibody only.



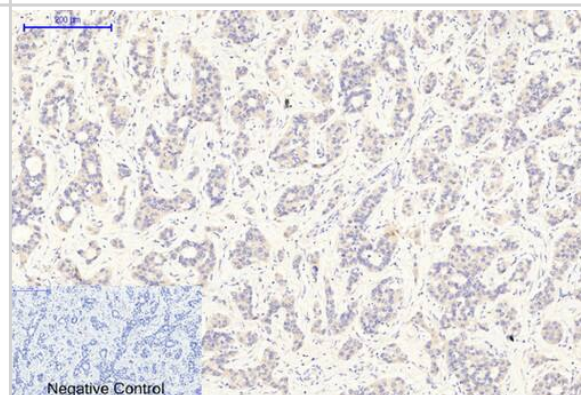
Immunohistochemistry-Paraffin: GSK-3 beta [p Tyr279, p Tyr216] Antibody [NB100-81946] - Immunohistochemical analysis of paraffin-embedded Rat-kidney tissue. 1, NB100-81946 was diluted at 1: 200 (4C, overnight). 2, Sodium citrate pH 6. 0 was used for antibody retrieval (>98C, 20min). 3, Secondary antibody was diluted at 1: 200 (room temperature, 30min). Negative control was used by secondary antibody only.



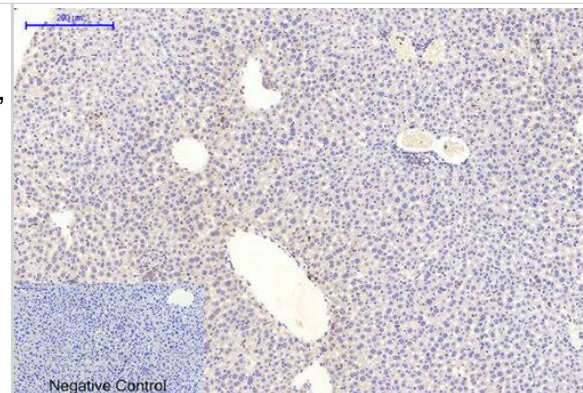
Immunohistochemistry-Paraffin: GSK-3 beta [p Tyr279, p Tyr216] Antibody [NB100-81946] - Immunohistochemical analysis of paraffin-embedded Mouse-kidney tissue. 1, NB100-81946 was diluted at 1: 200 (4C, overnight). 2, Sodium citrate pH 6. 0 was used for antibody retrieval (>98C, 20min). 3, Secondary antibody was diluted at 1: 200 (room temperature, 30min). Negative control was used by secondary antibody only.



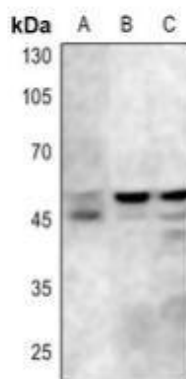
Immunohistochemistry-Paraffin: GSK-3 beta [p Tyr279, p Tyr216] Antibody [NB100-81946] - Immunohistochemical analysis of paraffin-embedded Human-liver-cancer tissue. 1, NB100-81946 was diluted at 1: 200 (4C, overnight). 2, Sodium citrate pH 6. 0 was used for antibody retrieval (>98C, 20min). 3, Secondary antibody was diluted at 1: 200 (room temperature, 30min). Negative control was used by secondary antibody only.



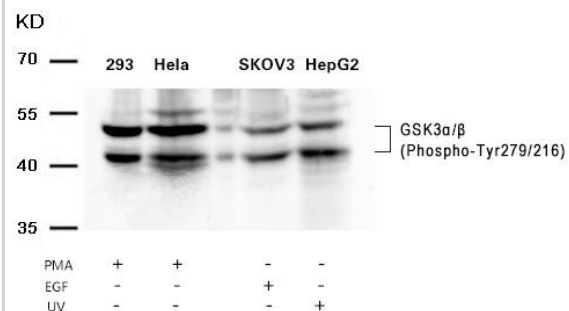
Immunohistochemistry-Paraffin: GSK-3 beta [p Tyr279, p Tyr216] Antibody [NB100-81946] - Immunohistochemical analysis of paraffin-embedded Mouse-liver tissue. 1, NB100-81946 was diluted at 1:200 (4C, overnight). 2, Sodium citrate pH 6. 0 was used for antibody retrieval (>98C, 20min). 3, Secondary antibody was diluted at 1: 200 (room temperature, 30min). Negative control was used by secondary antibody only.



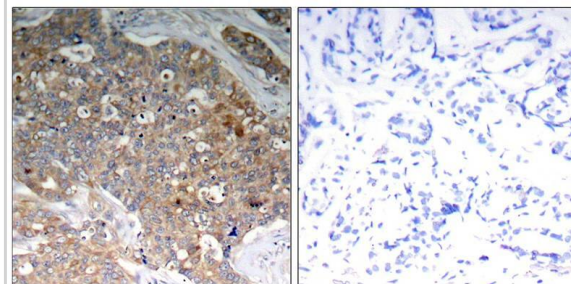
Western Blot: GSK-3 beta [p Tyr279, p Tyr216] Antibody [NB100-81946] - Western blot analysis of GSK-3 beta [p Tyr279, p Tyr216] expression in mouse testis (A), rat testis (B), rat spleen (C) whole cell lysates.



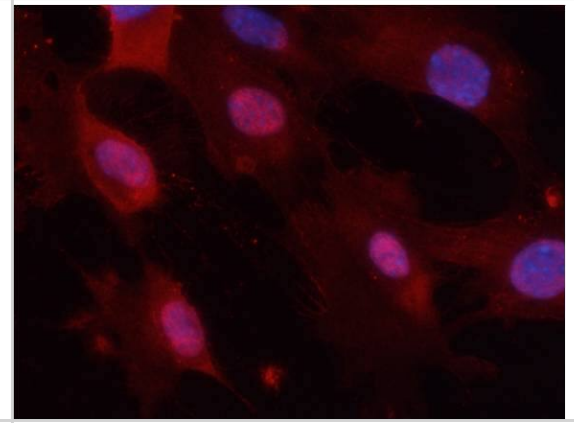
Western Blot: GSK-3 beta [p Tyr279, p Tyr216] Antibody [NB100-81946] - Analysis of extracts of various cell lines, using NB100-81946



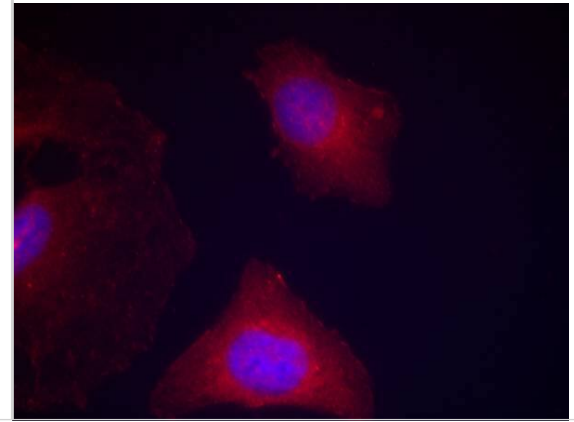
Immunohistochemistry-Paraffin: GSK-3 beta [p Tyr279, p Tyr216] Antibody [NB100-81946] - Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue, using NB100-81946(left) or the same antibody preincubated with blocking peptide (right).



Immunocytochemistry/Immunofluorescence: GSK-3 beta [p Tyr279, p Tyr216] Antibody [NB100-81946] - Methanol-fixed MEF cells.



Immunocytochemistry/Immunofluorescence: GSK-3 beta [p Tyr279, p Tyr216] Antibody [NB100-81946] - Staining of Methanol-fixed Hela cells.



Publications

Takahiro Toshima, Mikako Yagi, Yura Do, Haruka Hirai, Yuya Kunisaki, Dongchon Kang, Takeshi Uchiumi
Mitochondrial translation failure represses cholesterol gene expression via Pyk2-Gsk3 β -Srebp2 axis Life Science Alliance 2024-05-08 [PMID: 38719751]

Xu M, Lantz MJ, Nichols RA, Li QX Anti-Neuroinflammatory Effects of a Semi-Synthetic Isoorientin-Based Glycogen Synthase Kinase-3 β Inhibitor in Lipopolysaccharide-Activated Microglial Cells ACS chemical neuroscience 2022-01-05 [PMID: 34913695]

Hsing C, Tsai C, Chen C Et Al. Pharmacologically Inhibiting Glycogen Synthase Kinase-3 β Ameliorates Renal Inflammation and Nephrotoxicity in an Animal Model of Cisplatin-Induced Acute Kidney Injury Biomedicines 2021-07-25 [PMID: 34440091] (IHC-P)

Takaichi Y, Chambers JK, Ano Y et al. Deposition of Phosphorylated α -Synuclein and Activation of GSK-3 β and PP2A in the PS19 Mouse Model of Tauopathy Journal of neuropathology and experimental neurology 2021-06-21 [PMID: 34151989]

Takaichi Y, Chambers JK, Takahashi K, et al. Amyloid beta and tau pathology in brains of aged pinniped species (sea lion, seal, and walrus) Acta neuropathologica communications 2021-01-07 [PMID: 33413691] (IHC-P, Mammal)

Wu L, Lin W, Liao Q et al. Calcium Channel Blocker Nifedipine Suppresses Colorectal Cancer Progression and Immune Escape by Preventing NFAT2 Nuclear Translocation Cell Rep 2020-10-27 [PMID: 33113363] (WB, Human)

Liu Z, Selby CP, Yang Y et al. Circadian regulation of c-MYC in mice Proc. Natl. Acad. Sci. U.S.A. 2020-08-19 [PMID: 32817420] (WB, Mouse)

Takaichi Y, Chambers JK, Inoue H et al. Phosphorylation and oligomerization of alpha-synuclein associated with GSK-3 β activation in the rTg4510 mouse model of tauopathy Acta Neuropathol Commun 2020-06-19 [PMID: 32560668] (IF/IHC, Mouse)

Wu X, Kosaraju J, Tam kY. Anti-neuroinflammatory effects of SLOH in AB-induced BV-2 microglial cells and 3xTg-AD mice involve the inhibition of GSK-3 β . Neurosci. Lett. 2018-09-29 [PMID: 30278248] (WB, Mouse)

Wu X, Kosaraju J, Zhou W, Tam KY. SLOH, a carbazole-based fluorophore, mitigates neuropathology and behavioral impairment in the triple-transgenic mouse model of Alzheimer's disease Neuropharmacology 2018-01-05 [PMID: 29309769] (Mouse)

Denysenko T, Annovazzi L, Cassoni P et al. WNT/b-catenin Signaling Pathway and Downstream Modulators in Low- and High-grade Glioma. Cancer Genomics Proteomics. 2015-12-28 [PMID: 26708597] (IHC-P, Human)



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Products Related to NB100-81946

NBL1-11362	GSK-3 beta Overexpression Lysate
NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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