



# GSK3 $\alpha$ / $\beta$ Polyclonal Antibody

<b>Catalog No</b>	BYab-14770
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Mouse;Rat;Drosophila;Drosophila
<b>Applications</b>	WB;IHC;IF;ELISA
<b>Gene Name</b>	GSK3A/GSK3B
<b>Protein Name</b>	Glycogen synthase kinase-3 alpha/beta
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human GSK3 alpha/beta. AA range:246-295
<b>Specificity</b>	GSK3 $\alpha$ / $\beta$ Polyclonal Antibody detects endogenous levels of GSK3 $\alpha$ / $\beta$ protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source</b>	Polyclonal, Rabbit,IgG
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	WB: 1/500 - 1/2000. IHC: 1/100 - 1/300. ELISA: 1/20000.. IF 1:50-200
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	GSK3A; Glycogen synthase kinase-3 alpha; GSK-3 alpha; Serine/threonine-protein kinase GSK3A; GSK3B; Glycogen synthase kinase-3 beta; GSK-3 beta; Serine/threonine-protein kinase GSK3B
<b>Observed Band</b>	51,46kD
<b>Cell Pathway</b>	mitochondrion,cytosol,beta-catenin destruction complex,postsynapse,
<b>Tissue Specificity</b>	Brain,Eye,Foreskin,Lung,Pancreas,Platelet,Testis,
<b>Function</b>	catalytic activity:ATP + [tau protein] = ADP + [tau protein] phosphate.,function:Implicated in the hormonal control of several regulatory proteins including glycogen synthase, MYB and the transcription factor JUN.,similarity:Belongs to the protein kinase superfamily.,similarity:Belongs to the protein kinase superfamily. CMGC Ser/Thr protein kinase family. GSK-3 subfamily.,similarity:Contains 1 protein kinase domain.,subunit:Monomer.,
<b>Background</b>	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

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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],

**matters needing attention**

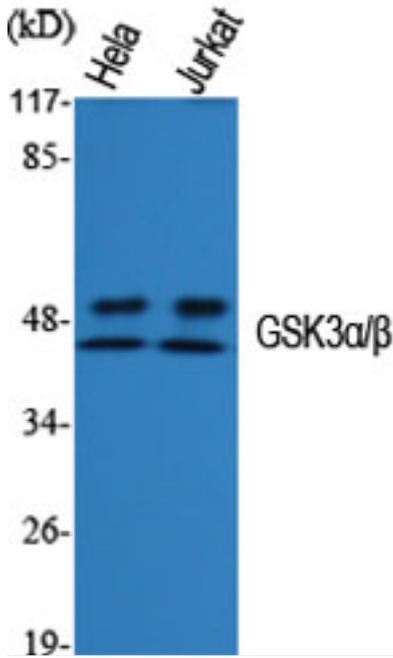
Avoid repeated freezing and thawing!

**Usage suggestions**

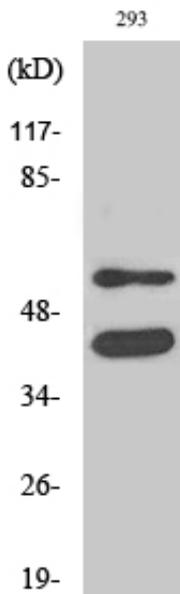
This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



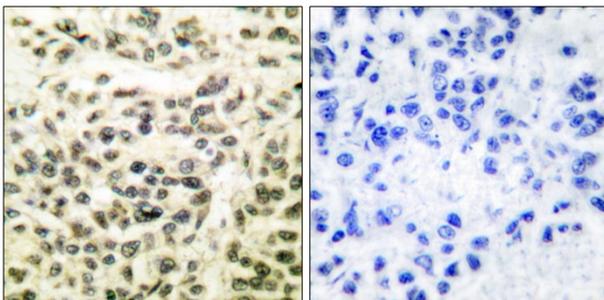
## Products Images



Western Blot analysis of various cells using GSK3α/β Polyclonal Antibody diluted at 1:1000

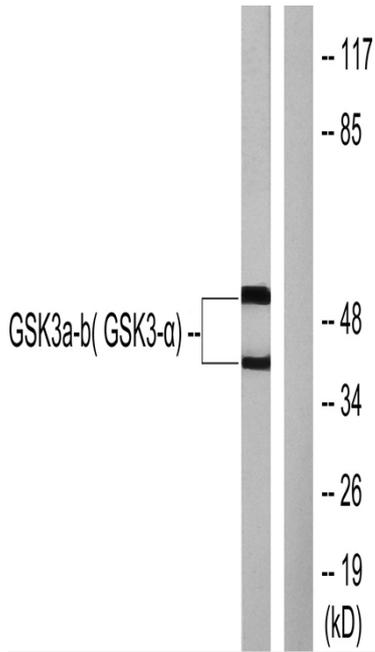


Western Blot analysis of 293 cells using GSK3α/β Polyclonal Antibody diluted at 1:1000



Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue, using GSK3 alpha/beta Antibody. The picture on the right is blocked with the synthesized peptide.

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Western blot analysis of lysates from 293 cells, treated with TNF- $\alpha$  20ng/ml 30', using GSK3 alpha/beta Antibody. The lane on the right is blocked with the synthesized peptide.