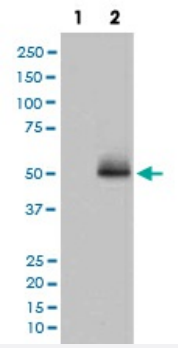
GSK3A/GSK3B (phospho Y216/Y279) monoclonal antibody, clone IFB-7

Catalog # MAB20521 Size 100 uL

Applications



Western Blot (Cell lysate)

Western Blot analysis of 293 cell lysate treated with AP using GSK3A/GSK3B (phospho Y216/Y279) monoclonal antibody, clone IFB-7.

Specification

Product Description	Rabbit monoclonal antibody raised against synthetic phosphopeptide of human GSK3A/GSK3B.
Immunogen	A synthetic phosphopeptide corresponding to residues surrounding Y216/Y279 of human GSK3A/GSK3B.
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Affinity purification
Isotype	IgG

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Recommend Usage	Immunocytochemistry (1:50-1:200) Immunofluorescence (1:50-1:200) Immunohistochemistry (1:50-1:200) Immunoprecipitation (1:50) Western Blot (1:500-1:2000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, 150 mM NaCl, pH 7.4 (50% glycerol, 0.4-0.5 mg/mL BSA, 0.02% sodium azide).
Storage Instruction	Store at -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and st ored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)
- Immunofluorescence
- Immunocytochemistry
- Immunoprecipitation
- Western Blot (Cell lysate)

  Western Blot analysis of 293 cell lysate treated with AP using GSK3A/GSK3B (phospho Y216/Y279) monoclonal antibody, clone IFB-7.

Gene Info — GSK3A

Entrez GeneID	2931
Protein Accession#	P49840
Gene Name	GSK3A
Gene Alias	DKFZp686D0638
Gene Description	glycogen synthase kinase 3 alpha
Omim ID	606784

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Gene Ontology	Hyperlink
Gene Summary	Glycogen synthase kinase 3-alpha (GSK3A; EC {2.7.1.37}) is a multifunctional protein serine kinase, homologous to Drosophila 'shaggy' (zeste-white3) and implicated in the control of several regulatory proteins including glycogen synthase (see GYS1, {138570}) and transcription factors (e.g., JUN, {165160}). It also plays a role in the WNT ({164820}) and PI3K (see PIK3CG, {601232}) signaling pathways (see review by {1:Ali et al. (2001)}).[supplied by OMIM
Other Designations	-

Gene Info — GSK3B

Entrez GeneID	2932
Protein Accession#	P49840
Gene Name	GSK3B
Gene Alias	-
Gene Description	glycogen synthase kinase 3 beta
Omim ID	605004
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a serine-threonine kinase, belonging to the glycogen synthase kinase subfamily. It is involved in energy metabolism, neuronal cell development, and body pattern formation. Polymorphisms in this gene have been implicated in modifying risk of Parkinson disease, and studies in mice show that overexpression of this gene may be relevant to the pathogenesis of Alzheimer disease. Alternatively spliced transcript variants encoding different isoforms have been found for this gene
Other Designations	GSK3beta isoform|glycogen synthase kinase-3 beta

Pathway

- Axon guidance
- B cell receptor signaling pathway
- Basal cell carcinoma
- Cell cycle
- Chemokine signaling pathway

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- Chemokine signaling pathway
- Colorectal cancer
- Endometrial cancer
- ErbB signaling pathway
- Focal adhesion
- Hedgehog signaling pathway
- Insulin signaling pathway
- Melanogenesis
- Neurotrophin signaling pathway
- Pathways in cancer
- Prostate cancer
- T cell receptor signaling pathway
- Wnt signaling pathway

Disease

- Adenocarcinoma
- Alzheimer disease
- Amphetamine-Related Disorders
- Anorexia Nervosa
- Bipolar Disorder
- Bone Diseases
- Breast cancer
- Breast Neoplasms
- Bulimia
- Cardiovascular Diseases
- Cognition

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- Cognition
- Coronary Disease
- Dementia
- Depressive Disorder
- Diabetes Mellitus
- Disease Models
- Disease Progression
- Drug Toxicity
- Dyskinesia
- Edema
- Esophageal Neoplasms
- Genetic Predisposition to Disease
- Genetic Predisposition to Disease
- Hypercholesterolemia
- Lung Neoplasms
- Mood Disorders
- Movement Disorders
- Multiple Myeloma
- Neoplasm Invasiveness
- Parkinson disease
- Personality Disorders
- Personality Inventory
- Polycystic Ovary Syndrome
- Psychiatric Status Rating Scales
- Psychotic Disorders
- Pulmonary Disease

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- Recurrence
- Schizophrenia
- Schizophrenia
- Schizophrenic Psychology
- Schizophrenic Psychology
- Sleep Deprivation
- Stomach Neoplasms
- Urinary Bladder Neoplasms
- Weight Gain
- Weight Gain
- Werner syndrome

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