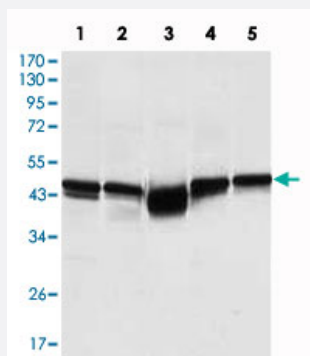


GSK3B monoclonal antibody, clone 3D10

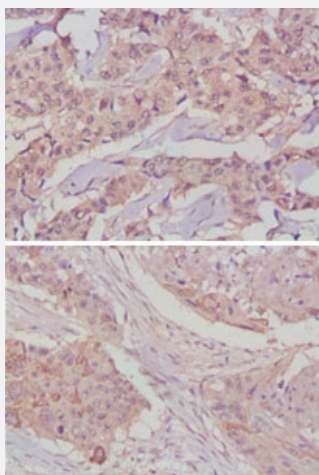
Catalog # MAB10672 Size 100 uL

Applications



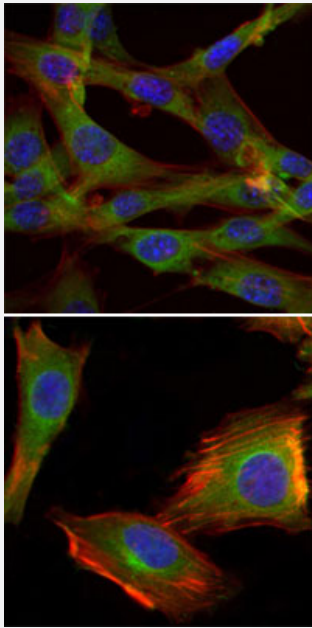
Western Blot (Cell lysate)

Western blot analysis using GSK3B monoclonal antibody, clone 3D10 (Cat # MAB10672) against A-549 (1) , K-562 (2) , PC-12 (3) , NIH/3T3 (4) , and HEK293 (5) cell lysate.



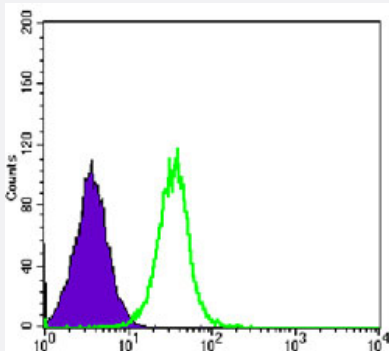
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human lung cancer (upper) and breast cancer tissues (bottom) using GSK3B monoclonal antibody, clone 3D10 (Cat # MAB10672) with DAB staining.



Immunofluorescence

Immunofluorescence analysis of NIH/3T3 (upper) and U251 (bottom) cells using GSK3B monoclonal antibody, clone 3D10 (Cat # MAB10672) (green) . Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.



Flow Cytometry

Flow cytometric analysis of HeLa cells using GSK3B monoclonal antibody, clone 3D10 (Cat # MAB10672) (green) and negative control (purple).

Specification

Product Description	Mouse monoclonal antibody raised against partial recombinant GSK3B.
Immunogen	Recombinant protein corresponding to human GSK3B.
Host	Mouse
Theoretical MW (kDa)	46
Reactivity	Human, Monkey, Mouse, Rat
Form	Liquid
Isotype	IgG2a

Recommend Usage	ELISA (1:10000) Western Blot (1:500-1:2000) Immunohistochemistry (1:200-1:1000) Immunofluorescence (1:200-1:1000) Flow cytometry (1:200-1:400) The optimal working dilution should be determined by the end user.
Storage Buffer	In ascites (0.03% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western blot analysis using GSK3B monoclonal antibody, clone 3D10 (Cat # MAB10672) against A-549 (1) , K-562 (2) , PC-12 (3) , NIH/3T3 (4) , and HEK293 (5) cell lysate.

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human lung cancer (upper) and breast cancer tissues (bottom) using GSK3B monoclonal antibody, clone 3D10 (Cat # MAB10672) with DAB staining.

- Immunofluorescence

Immunofluorescence analysis of NIH/3T3 (upper) and U251 (bottom) cells using GSK3B monoclonal antibody, clone 3D10 (Cat # MAB10672) (green) . Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.

- Enzyme-linked Immunoabsorbent Assay

- Flow Cytometry

Flow cytometric analysis of HeLa cells using GSK3B monoclonal antibody, clone 3D10 (Cat # MAB10672) (green) and negative control (purple).

Gene Info — GSK3B

Entrez GeneID	2932
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](#)
- [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](#)
- [Dementia](#)
- [Depressive Disorder](#)
- [Diabetes Mellitus](#)
- [Disease Models](#)
- [Disease Progression](#)
- [Drug Toxicity](#)
- [Dyskinesia](#)
- [Edema](#)
- [Esophageal Neoplasms](#)
- [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](#)
- [Recurrence](#)
- [Schizophrenia](#)
- [Schizophrenic Psychology](#)
- [Sleep Deprivation](#)
- [Stomach Neoplasms](#)
- [Urinary Bladder Neoplasms](#)
- [Weight Gain](#)
- [Werner syndrome](#)