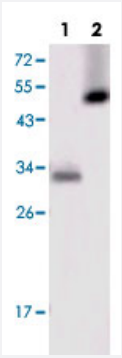
GSK3A monoclonal antibody, clone 6G12C2

Catalog # MAB8308 Size 100 ug

Applications



Western Blot

Western blot analysis using GSK3A monoclonal antibody, clone 6G12C2 (Cat # MAB8308) against truncated GSK3A recombinant protein (Lane 1) and HeLa cell lysate (Lane 2).

Specification

Product Description	Mouse monoclonal antibody raised against partial recombinant GSK3A.
Immunogen	Recombinant protein corresponding to truncated human GSK3A.
Host	Mouse
Reactivity	Human
Form	Liquid
Isotype	IgG1
Recommend Usage	Western Blot (1:500-1:2000) ELISA (1:10000) The optimal working dilution should be determined by the end user.
Storage Buffer	In ascites
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.

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Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot

  Western blot analysis using GSK3A monoclonal antibody, clone 6G12C2 (Cat # MAB8308) against truncated GSK3A recombinant protein (Lane 1) and HeLa cell lysate (Lane 2).

Gene Info — GSK3A

Entrez GeneID	2931
Gene Name	GSK3A
Gene Alias	DKFZp686D0638
Gene Description	glycogen synthase kinase 3 alpha
Omim ID	606784
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	-

Publication Reference

- Phosphatidylinositol 3-kinase and glycogen synthase kinase 3 regulate estrogen receptor-mediated transcription in neuronal cells.

  Mendez P, Garcia-Segura LM.

  Endocrinology 2006 Jun; 147(6):3027.

  Application: WB-Tr, Mouse, N2a cells

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- Regulation of FAK Ser-722 phosphorylation and kinase activity by GSK3 and PP1 during cell spreading and migration.

  Bianchi M, De Lucchini S, Marin O, Turner DL, Hanks SK, Villa-Moruzzi E.

  The Biochemical Journal 2005 Oct; 391(Pt 2):359.

  Application: WB-Tr, Rat, Rat fibroblasts

- Impact of PKCdelta on estrogen receptor localization and activity in breast cancer cells.

  De Servi B, Hermani A, Medunjanin S, Mayer D.

  Oncogene 2005 Jul; 24(31):4946.

  Application: IF, WB, Human, MELN cells

Pathway

- Chemokine signaling pathway

Disease

- Cognition
- Coronary Disease
- Genetic Predisposition to Disease
- Schizophrenia
- Schizophrenic Psychology
- Weight Gain

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