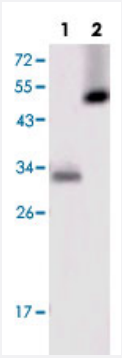
# GSK3A monoclonal antibody, clone 6G12C2

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)<br>ELISA (1:10000)<br>The optimal working dilution should be determined by the end user. |
| **Storage Buffer** | In ascites |
| **Storage Instruction** | Store at -20°C.<br>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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