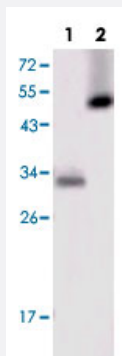


# GSK3A monoclonal antibody, clone 6G12C2

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.

## 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).

- Enzyme-linked Immunoabsorbent Assay

## Gene Info — GSK3A

|                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Entrez GeneID      | <a href="#">2931</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Gene Name          | GSK3A                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Gene Alias         | DKFZp686D0638                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Gene Description   | glycogen synthase kinase 3 alpha                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Omim ID            | <a href="#">606784</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Gene Ontology      | <a href="#">Hyperlink</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| 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

- [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](#)