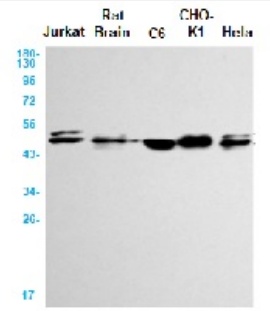
RecomAb™

# GSK3A recombinant monoclonal antibody, clone R08-8G7

Catalog # RAB01676 Size 100 uL

## Applications




### Western Blot

Western blot analysis of GSK3 alpha + beta in Jurkat, rat Brain, C6, CHO-K1, Hela lysates using human GSK3 alpha/beta recombinant monoclonal antibody, clone R08-8G7 (Cat # RAB01676).

## Specification

| | |
|---|---|
| **Product Description** | Rabbit recombinant monoclonal antibody raised against synthetic peptide of human GSK3 alpha. |
| **Antibody Species** | Rabbit |
| **Immunogen** | Original antibody is raised against a synthetic peptide corresponding to human GSK3 alpha |
| **Theoretical MW (kDa)** | Calculated MW: 51 kD |
| **Reactivity** | Human |
| **Form** | Liquid |
| **Preparation Method** | Mammalian cell (CHO) expression system |
| **Purification** | Affinity purification |
| **Isotype** | IgG |
| **Recommend Usage** | Western Blot (1:500-1:1,000)<br>The optimal working dilution should be determined by the end user. |
| **Storage Buffer** | In 50 mM Tris-Glycine pH 7.4 (0.15 M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA). |

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|---|---|
| **Storage Instruction** | Store at 4°C for short term. For long term storage store at -20°C.<br>Aliquot to 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

- Western Blot

  Western blot analysis of GSK3 alpha + beta in Jurkat, rat Brain, C6, CHO-K1, Hela lysates using human GSK3 alpha/beta recombinant monoclonal antibody, clone R08-8G7 (Cat # RAB01676).

## 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 |
| **Gene Ontology** | Hyperlink |
| **Gene Summary** | Glycogen synthase kinase 3-alpha (GSK3A; EC {2.7.1.37}) is a multifunctional protein serine kina se, homologous to Drosophila 'shaggy' (zeste-white3) and implicated in the control of several reg ulatory 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}) sig naling pathways (see review by {1:Ali et al. (2001)}).[supplied by OMIM |
| **Other Designations** | - |

## Pathway

- Chemokine signaling pathway

## Disease

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

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