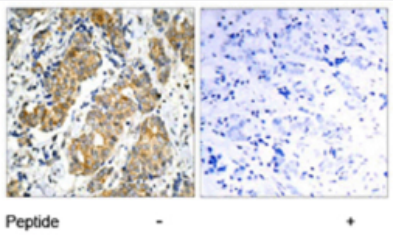
# GSK3A polyclonal antibody

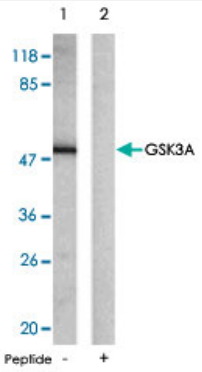
Catalog # PAB5378 Size 100 ug

## Applications




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

Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using GSK3A polyclonal antibody (Cat # PAB5378) .




### Western Blot (Cell lysate)

Western blot analysis of extracts from ovary cancer cells , using GSK3A polyclonal antibody (Cat # PAB5378) .

## Specification

| | |
|---|---|
| **Product Description** | Rabbit polyclonal antibody raised against synthetic peptide of GSK3A. |
| **Immunogen** | A synthetic peptide corresponding to residues surrounding S21 of human GSK3A. |
| **Host** | Rabbit |
| **Reactivity** | Human, Mouse, Rat |
| **Form** | Liquid |
| **Quality Control Testing** | Antibody Reactive Against Synthetic Peptide. |

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| | |
|---|---|
| **Recommend Usage** | Immunohistochemistry (1:50-1:100)<br>Western Blot (1:500-1:1000)<br>The optimal working dilution should be determined by the end user. |
| **Storage Buffer** | In PBS, 150 mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide) |
| **Storage Instruction** | 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

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

  Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using GSK3A polyclonal antibody (Cat # PAB5378) .

- Western Blot (Cell lysate)

  Western blot analysis of extracts from ovary cancer cells , using GSK3A polyclonal antibody (Cat # PAB5378) .

## 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 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** | - |

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## Publication Reference

- Regulation of glycogen synthase kinase 3 in human platelets: a possible role in platelet function?

  Barry FA, Graham GJ, Fry MJ, Gibbins JM.

  FEBS Letters 2003 Oct; 553(1-2):173.

- Glycogen synthase kinase-3 regulates formation of long lamellipodia in human keratinocytes.

  Koivisto L, Alavian K, Hakkinen L, Pelech S, McCulloch CA, Larjava H.

  Journal of Cell Science 2003 Sep; 116(Pt 18):3749.

- Potential mechanism(s) involved in the regulation of glycogen synthesis by insulin.

  Srivastava AK, Pandey SK.

  Molecular and Cellular Biochemistry 1998 May; 182(1-2):135.

  Application: WB-Ce, WB-Tr, Human, Mammalian cells

## Pathway

- Chemokine signaling pathway

## Disease

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

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