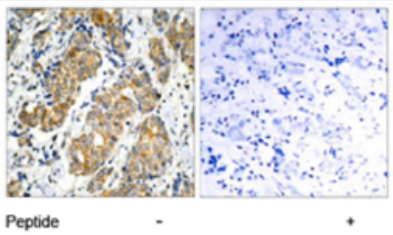
GSK3A polyclonal antibody

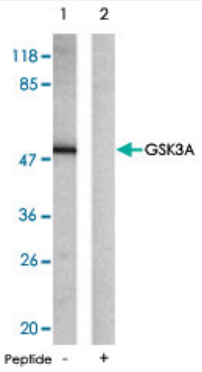
Catalog # PAB5378 Size 100 ug

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) Western Blot (1:500-1:1000) 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. 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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