

## GSK3alpha Antibody | anti-GSK3alpha antibody

GSK3alpha (Phospho-Ser21) Antibody

|                               |                                        |                                                                                       |
|-------------------------------|----------------------------------------|---------------------------------------------------------------------------------------|
| CATALOG #<br><b>AAA267724</b> | REACTIVITY<br><b>Human, Mouse, Rat</b> | APPLICATIONS<br><b>Immunoprecipitation, ELISA, Immunohistochemistry, Western Blot</b> |
|-------------------------------|----------------------------------------|---------------------------------------------------------------------------------------|

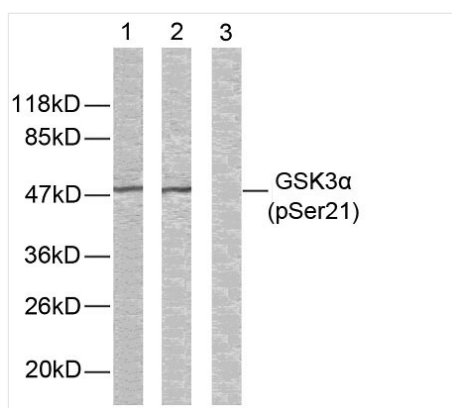
### PRODUCT SYNONYMS

GSK3alpha; GSK3alpha (Phospho-Ser21) Antibody; anti-GSK3alpha antibody

### PRODUCT SPECIFICATIONS

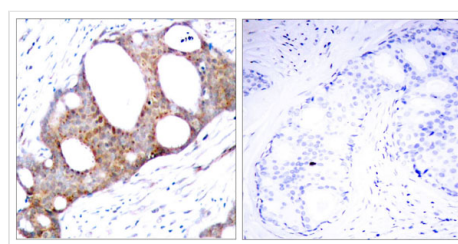
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|-----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity                                          | Human, Mouse, Rat                                                                                                                                                                                                                                   |
| Specificity                                         | GSK3alpha(Phospho-Ser21) Antibody detects endogenous levels of GSK3alpha only when phosphorylated at Serine 21.                                                                                                                                     |
| Purity/Purification                                 | Affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site. |
| Form/Format                                         | In phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.                                                                                                             |
| Sequence Length                                     | 483                                                                                                                                                                                                                                                 |
| Applicable Applications for anti-GSK3alpha antibody | IP (Immunoprecipitation), ELISA, IHC (Immunohistochemistry), WB (Western Blot)                                                                                                                                                                      |
| Immunogen                                           | The antiserum was produced against synthesized phosphopeptide derived from human GSK3alpha around the phosphorylation site of Serine 21.                                                                                                            |
| Preparation and Storage                             | Store at -20 degree C for 1 year                                                                                                                                                                                                                    |

### IMAGES



#### WB (Western Blot)

Western blot analysis of extracts from ovary cancer cells. Line1: Using GSK3alpha(Phospho-Ser21) Antibody; Line2: The same antibody preincubated with synthesized non-phosphopeptide; Line3: The same antibody preincubated with synthesized phosphopeptide.



#### IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded breast carcinoma. Left: Using GSK3alpha (Phospho-Ser21) Antibody; Right: The same antibody preincubated with synthesized phosphopeptide.

ADDITIONAL INFORMATION

|            |                                                                                                                                                                                                                                             |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| References | Barry FA, et al. (2003) FEBS Lett. 553(1-2): 173-178. Koivisto L, et al. (2003) J Cell Sci. 116(Pt 18): 3749-3760.<br>Welsh G I, et al. (1996) Trends Cell Biol. 6:274-279. Srivastava A K, et al. (1998) Mol. Cell. Biochem. 182: 135-141. |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                  |
|----------------------------------|----------------------------------|
| NCBI GI #                        | 49574532                         |
| NCBI GeneID                      | 2931                             |
| NCBI Accession #                 | NP_063937.2                      |
| NCBI GenBank Nucleotide #        | NM_019884.2                      |
| UniProt Accession #              | P49840; O14959                   |
| Molecular Weight                 | 50,981 Da                        |
| NCBI Official Full Name          | glycogen synthase kinase-3 alpha |
| NCBI Official Synonym Full Names | glycogen synthase kinase 3 alpha |
| NCBI Official Symbol             | GSK3A                            |
| NCBI Protein Information         | glycogen synthase kinase-3 alpha |
| UniProt Protein Name             | Glycogen synthase kinase-3 alpha |
| UniProt Gene Name                | GSK3A                            |
| UniProt Synonym Gene Names       | GSK-3 alpha                      |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/human-mouse-rat-antibody/gsk3alpha/267724>