

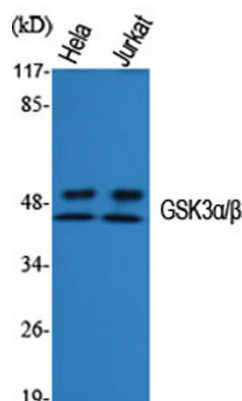


|                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product name:</b>     | GSK3 $\alpha$ / $\beta$ Rabbit Polyclonal Antibody                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Cat number:</b>       | ABE2486                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Conjugate:</b>        | unconjugated                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Host:</b>             | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Size:</b>             | 100 ug                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Synonyms:</b>         | GSK3A; Glycogen synthase kinase-3 alpha; GSK-3 alpha; Serine/threonine-protein kinase GSK3A; GSK3B; Glycogen synthase kinase-3 beta; GSK-3 beta; Serine/threonine-protein kinase GSK3B                                                                                                                                                                                                                                                               |
| <b>Clone:</b>            | Polyclonal                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Concentration:</b>    | 1 mg/ml                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Isotype:</b>          | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Immunogen:</b>        | The antiserum was produced against synthesized peptide derived from human GSK3 alpha/beta. AA range:246-295                                                                                                                                                                                                                                                                                                                                          |
| <b>Reactivity:</b>       | Human;Mouse;Rat;Drosophila;Drosophila                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Applications:</b>     | Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/20000. Not yet tested in other applications.                                                                                                                                                                                                                                                                                                                             |
| <b>Molecular Weight:</b> | 51,46kD                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Purification:</b>     | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.                                                                                                                                                                                                                                                                                                                                |
| <b>Background:</b>       | glycogen synthase kinase 3 alpha(GSK3A) Homo sapiens This gene encodes a multifunctional Ser/Thr protein kinase that is implicated in the control of several regulatory proteins including glycogen synthase, and transcription factors, such as JUN. It also plays a role in the WNT and PI3K signaling pathways, as well as regulates the production of beta-amyloid peptides associated with Alzheimer's disease. [provided by RefSeq, Oct 2011], |
| <b>Form:</b>             | liquid                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Buffer:</b>           | Liquid in PBS containing 50% glycerol, 0.5%BSAand0.02% sodium azide                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Storage:</b>          | Store at -20°C. Avoid repeated freeze-thawcycles.                                                                                                                                                                                                                                                                                                                                                                                                    |

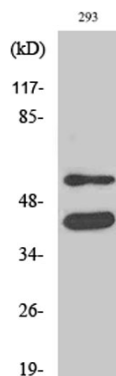
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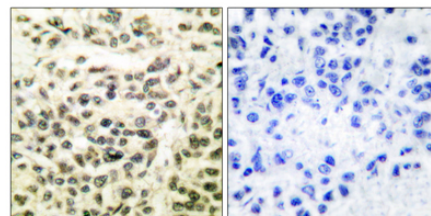
Web-site: <https://immunologicalsciences.com> - E-mail: [info@immunologicalsciences.com](mailto:info@immunologicalsciences.com)



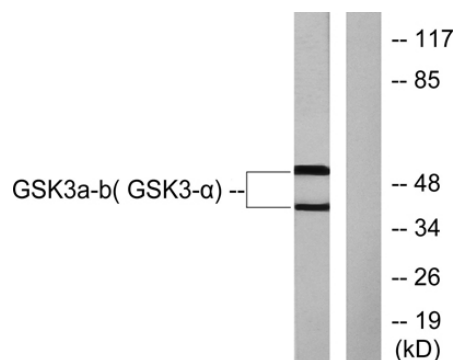
Western Blot analysis of various cells using GSK3 $\alpha$ / $\beta$  Polyclonal Antibody diluted at 1:1000



Western Blot analysis of 293 cells using GSK3 $\alpha$ / $\beta$  Polyclonal Antibody diluted at 1:1000



Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue, using GSK3 $\alpha$ / $\beta$  Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from 293 cells, treated with TNF- $\alpha$  20ng/ml 30', using GSK3 $\alpha$ / $\beta$  Antibody. The lane on the right is blocked with the synthesized peptide.

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