

Recombinant

DGRmAb®

**GSK3 alpha (DGR15531) Rabbit mAb (PBS Only)**

db14872-PBS

Package : 10µg 100µg

**Product Name** : GSK3 alpha (DGR15531) Rabbit mAb (PBS Only)

**Cat.No.:** db14872-PBS

**Synonyms** : Serine/threonine-protein kinase GSK3A; GSK3A

**Application** : WB, IHC-P, ICC/IF, IP

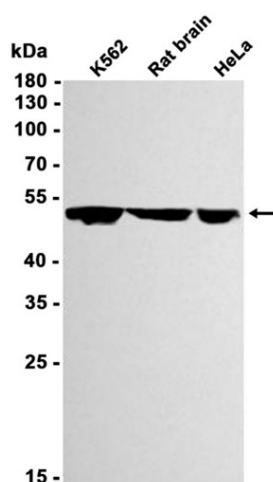
**Reactivity** : Human,Mouse,Rat

**Host species** : Rabbit

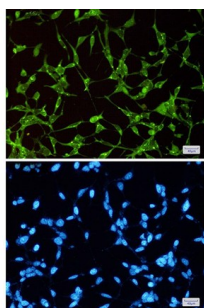
|                      |  |
|----------------------|--|
| <b>Background</b>    | This gene encodes a multifunctional Ser/Thr protein kinase that is implicated in the control of several regulatory proteins including glycogen synthase, and transcription factors, such as JUN. It also plays a role in the 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>Immunogen</b>     | A synthetic peptide of human GSK3 alpha  |
| <b>Gene ID</b>       | 2931   |
| <b>Swiss Prot</b>    | P49840   |
| <b>Synonyms</b>      | Serine/threonine-protein kinase GSK3A; GSK3A   |
| <b>Reactivity</b>    | Human,Mouse,Rat  |
| <b>Application</b>   | WB, IHC-P, ICC/IF, IP  |
| <b>Calculated MW</b> | 51 kDa   |
| <b>Observed MW</b>   | 51 kDa   |
| <b>Host species</b>  | Rabbit   |
| <b>Clonality</b>     | Monoclonal   |
| <b>Clonality No.</b> | DGR15531   |
| <b>Isotype</b>       | IgG  |
| <b>Purity</b>        | Affinity Purification  |
| <b>Conjugation</b>   | Un-conjugated  |
| <b>Concentration</b> | 1 mg/mL  |
| <b>Formulation</b>   | PBS Only   |

**Storage Stability**

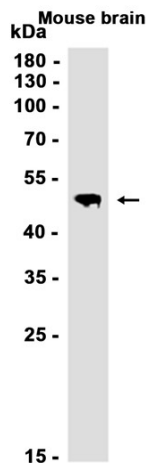
Store at -20°C. Recommended to aliquot into single-use vials. Supplied in 1X PBS (pH 7.4). BSA and Azide Free. Stable for 12 months from date of receipt.



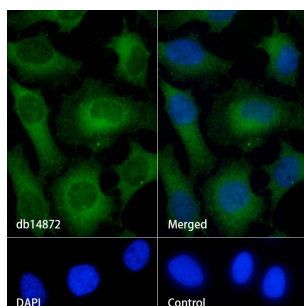
Western blot analysis of extracts from K562, HeLa cells and Rat brain tissue using [db14872](#) at 1:1000.



Immunofluorescent analysis of 293T cells using [db14872](#) antibody (green), and DAPI (blue).



Western blot analysis of extracts from Mouse brain tissue using [db14872](#) at 1:1000.



Immunofluorescence analysis of HeLa cells labelling GSK3 alpha with [db14872](#).

The cells were fixed with 4% PFA (10min, RT) followed by treatment with 0.1% Triton X-100 (10min, RT), and blocked in 1% BSA/10% normal goat serum/0.3M glycine in 0.1% PBS-Tween 20 for 1h. The cells were then incubate with [db14872](#) (1:100) at room temprature for 1h, followed by a further incubation at room temperature for 45min with Goat Anti Rabbit IgG (H+L)-AF488 ([db10005](#), shown in green). Nuclear DNA was labeled in blue with DAPI.

Control: Secondary antibody only.

