

Recombinant

DGRmAb®

**GSK3 alpha (DGR15531) Rabbit mAb**

db14872

Package : 10µL 20µL 50µL 100µL

**Product Name** : GSK3 alpha (DGR15531) Rabbit mAb**Cat.No.:** db14872**Synonyms** : Serine/threonine-protein kinase GSK3A; GSK3A**Application** : WB, IHC-P, ICC/IF**Reactivity** : Human,Mouse,Rat**Host species** : Rabbit

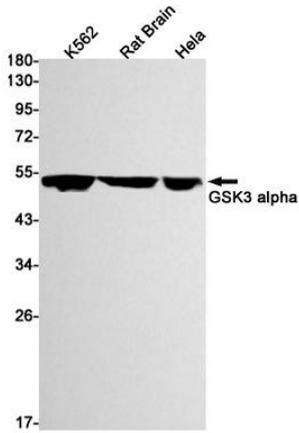
<b>Background</b>	This gene encodes a multifunctional Ser/Thr protein kinase that is implicated in the control of several regulatory proteins including glycogen synthase, and transcription factors, such as JUN. It also plays a role in the WNT and PI3K signaling pathways, as well as regulates the production 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
<b>Recommended dilution</b>	WB: 1:1000-1:5000 IHC-P: 1:50 ICC/IF: 1:100-1:200
<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

Conjugation

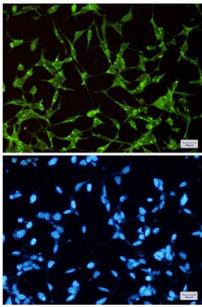
Un-conjugated

Storage Stability

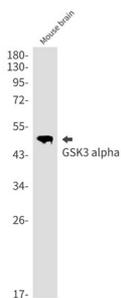
Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.



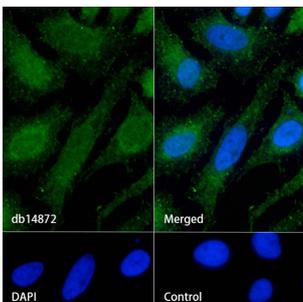
Western blot detection of GSK3 alpha in K562,Rat Brain,HeLa cell lysates using GSK3 alpha antibody(1:1000 diluted).



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



Western blot analysis of GSK3 alpha in mouse brain lysates using GSK3 alpha antibody(1:1000 diluted).



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 temperature 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.

