



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

Background 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]

Immunogen A synthetic peptide of human GSK3 alpha

Gene ID 2931

Swiss Prot P49840

Synonyms Serine/threonine-protein kinase GSK3A; GSK3A

Reactivity Human, Mouse, Rat

Application WB, IHC-P, ICC/IF

Recommended dilution WB: 1:1000-1:5000

IHC-P: 1:50

ICC/IF: 1:100-1:200

Calculated MW 51 kDa

Observed MW 51 kDa

Host species Rabbit

Clonality Monoclonal

Clonality No. DGR15531

Isotype IgG

Purity Affinity Purification

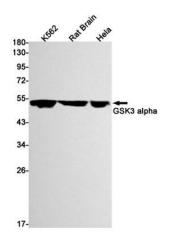


Conjugation

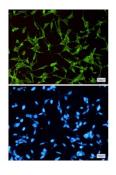
Un-conjugated

Storage Stability

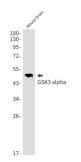
Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.



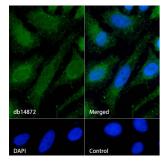
Western blot detection of GSK3 alpha in K562,Rat Brain,Hela cell lysates using GSK3 alpha antibody(1:1000 diluted).



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 temprature for 1h, followed by a further incubation at room temperature for 45min with Goat Anti Rabbit lgG (H+L)-AF488 (db10005, shown in green). Nuclear DNA was labeled in blue with DAPI.

Control: Secondary antibody only.



