Recombinant DGRmAb®

GSK3 alpha (DGR15531) Rabbit mAb

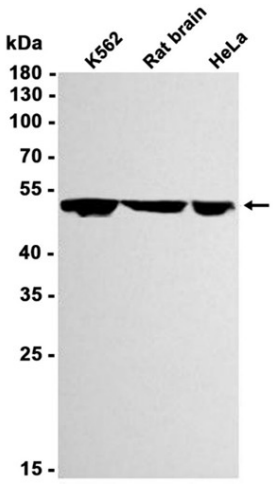
db14872 **Package : 10μL 20μL 50μL 100μL**

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

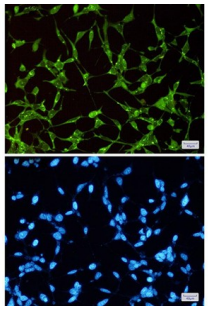
Background	This gene encodes a multifunctional Ser/Thr protein kinase that is implicated in the control of several regulatory proteins including glycogen synthase, and transcription factors, such as JUN. It also plays a role in the WNT and PI3K signaling pathways, as well as regulates the production 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, IP
Recommended dilution	WB: 1:1000-1:5000 IHC-P: 1:50 ICC/IF: 1:100-1:200 IP: 1:50
Calculated MW	51 kDa
Observed MW	51 kDa
Host species	Rabbit
Clonality	Monoclonal
Clonality No.	DGR15531
Isotype	IgG
Purity	Affinity Purification

Conjugation Un-conjugated

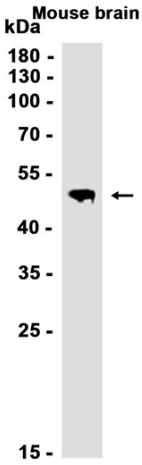
Storage Stability Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.



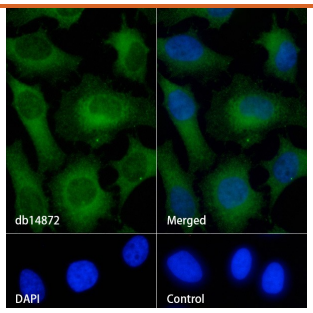
Western blot analysis of extracts from K562, HeLa cells and Rat brain tissue using db14872 at 1:1000.



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.