Recombinant DGRmAb®

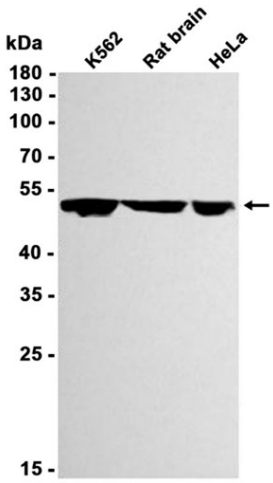
GSK3 alpha (DGR15531) Rabbit mAb (PBS Only)

db14872-PBS **Package : 10μg 100μg**

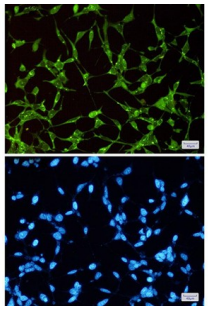
Product Name : GSK3 alpha (DGR15531) Rabbit mAb (PBS Only)
Cat.No.: db14872-PBS
Synonyms : Serine/threonine-protein kinase GSK3A; GSK3A
Application : WB, IHC-P, ICC/IF, IP
Reactivity : Human,Mouse,Rat
Host species : Rabbit

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
Calculated MW	51 kDa
Observed MW	51 kDa
Host species	Rabbit
Clonality	Monoclonal
Clonality No.	DGR15531
Isotype	IgG
Purity	Affinity Purification
Conjugation	Un-conjugated
Concentration	1 mg/mL
Formulation	PBS Only

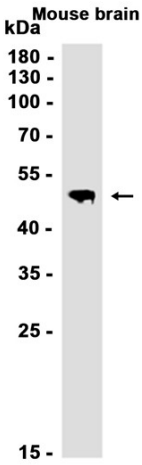
Storage Stability	Store at -20°C. Recommended to aliquot into single-use vials. Supplied in 1X PBS (pH 7.4). BSA and Azide Free. Stable for 12 months from date of receipt.



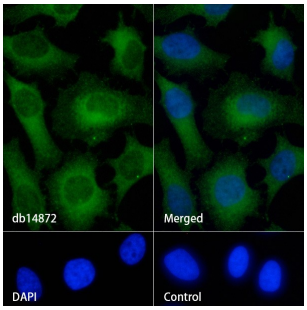
Western blot analysis of extracts from K562, HeLa cells and Rat brain tissue using db14872 at 1:1000.



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.