Recombinant DGRmAb®

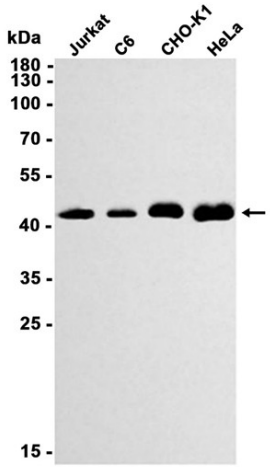
GSK3 beta (DGR13745) Rabbit mAb

db14808 **Package : 10μL 20μL 50μL 100μL**

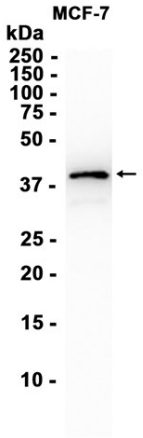
Product Name : GSK3 beta (DGR13745) Rabbit mAb
Cat.No.: db14808
Synonyms : GSK3B
Application : WB, IHC, ICC/IF, FC
Reactivity : Human, Mouse
Host species : Rabbit

Background	The protein encoded by this gene is a serine-threonine kinase belonging to the glycogen synthase kinase subfamily. It is a negative regulator of glucose homeostasis and is involved in energy metabolism, inflammation, ER-stress, mitochondrial dysfunction, and apoptotic pathways. Defects in this gene have been associated with Parkinson disease and Alzheimer disease. [provided by RefSeq, Aug 2017]
Immunogen	A synthetic peptide of human GSK3 beta
Gene ID	2932
Swiss Prot	P49841
Synonyms	GSK3B
Reactivity	Human, Mouse
Application	WB, IHC, ICC/IF, FC
Recommended dilution	WB: 1:1000-1:5000 IHC: 1:200 ICC/IF: 1:100 FC: 1:100
Calculated MW	47 kDa
Observed MW	47 kDa
Host species	Rabbit
Clonality	Monoclonal
Clonality No.	DGR13745
Isotype	IgG

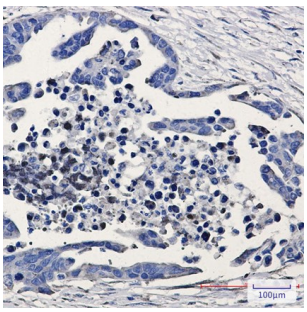
Purity	Affinity Purification
Conjugation	Un-conjugated
Storage Stability	Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.



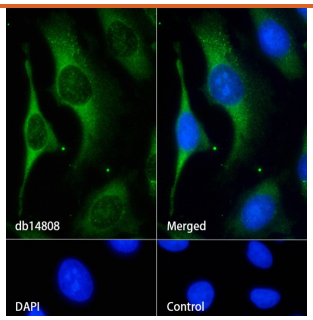
Western blot analysis of extracts from Jurkat, C6, CHO-K1, and HeLa cells using db14808 at 1:2000.



Western blot analysis of extracts from MCF-7 cells using db14808 at 1:2000.



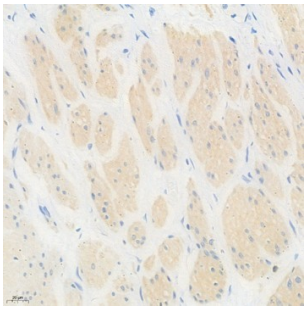
Immunohistochemical analysis of paraffin-embedded human Cholangiocarcinoma using db14808 antibody.



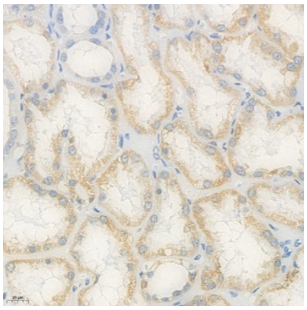
Immunofluorescence analysis of HeLa cells labelling GSK3 beta with db14808.

The cells were fixed with cold 100% methanol (10min, 4℃) 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 db14808 (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.

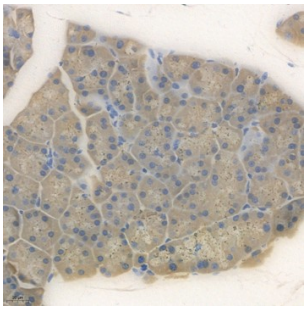
Control: Secondary antibody only.



Immunohistochemical analysis of paraffin-embedded human esophageal tissue labeling GSK3 beta with db14808. Counter stained with Hematoxylin.



Immunohistochemical analysis of paraffin-embedded human renal tissue labeling GSK3 beta with db14808. Counter stained with Hematoxylin.



Immunohistochemical analysis of paraffin-embedded mouse pancreatic tissue labeling GSK3 beta with db14808. Counter stained with Hematoxylin.