



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

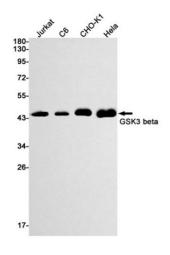
Affinity Purification

Conjugation

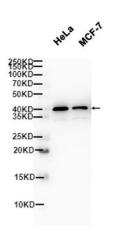
Un-conjugated

Storage Stability

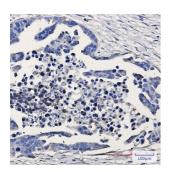
Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.



Western blot detection of GSK3 beta in Jurkat, C6, CHO-K1, Hela cell lysates using GSK3 beta antibody (1:1000 diluted).



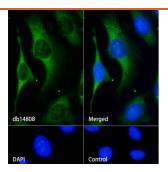
Western blot analysis of extracts from HeLa, MCF-7 cells using db14808 at 1:2000.



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°C) 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 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.