

Recombinant

DGRmAb®

**GSK3 beta (DGR13745) Rabbit mAb (PBS Only)**

db14808-PBS

Package : 100µg

**Product Name :** GSK3 beta (DGR13745) Rabbit mAb (PBS Only)**Cat.No.:** db14808-PBS**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

**Calculated MW**

47 kDa

**Observed MW**

47 kDa

**Host species**

Rabbit

**Clonality**

Monoclonal

**Clonality No.**

DGR13745

**Isotype**

IgG

**Purity**

Affinity Purification

**Conjugation**

Un-conjugated

**Concentration**

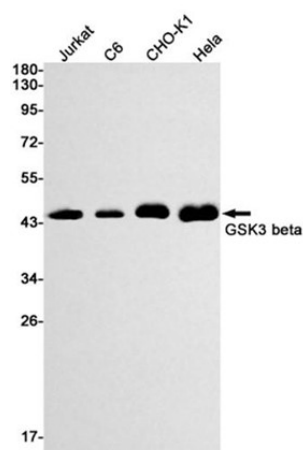
1 mg/mL

**Formulation**

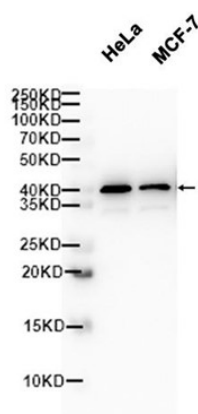
PBS Only

**Storage Stability**

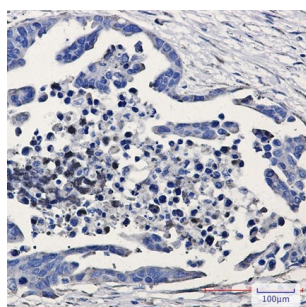
Store at -20°C. Recommended to aliquot into single-use vials. Supplied in 1X PBS (pH 7.4). BSA and Azide Free. Stable for 12 months from date of receipt.



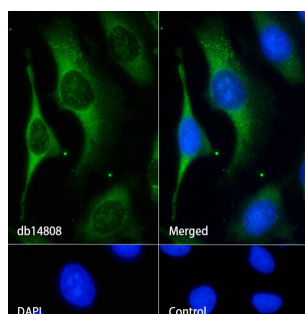
Western blot detection of GSK3 beta in Jurkat, C6, CHO-K1, HeLa cell lysates using GSK3 beta antibody (1:1000 diluted).



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 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.

