

Recombinant

DGRmAb®

## JNK1/JNK2/JNK3 (DGR13729) Rabbit mAb (PBS Only)

db14225-PBS

Package : 10µg 100µg

**Product Name :** JNK1/JNK2/JNK3 (DGR13729) Rabbit mAb (PBS Only)

**Cat.No.:** db14225-PBS

**Synonyms :** JNK; JNK1; PRKM8; SAPK1; JNK-46; JNK1A2; SAPK1c; JNK21B1/2

**Application :** WB, ICC/IF, FC, IP

**Reactivity :** Human,Mouse,Rat

**Host species :** Rabbit

### Background

The protein encoded by this gene is a member of the MAP kinase family. MAP kinases act as an integration point for multiple biochemical signals, and are involved in a wide variety of cellular processes such as proliferation, differentiation, transcription regulation and development. This kinase is activated by various cell stimuli, and targets specific transcription factors, and thus mediates immediate-early gene expression in response to cell stimuli. The activation of this kinase by tumor-necrosis factor alpha (TNF-alpha) is found to be required for TNF-alpha induced apoptosis. This kinase is also involved in UV radiation induced apoptosis, which is thought to be related to cytochrom c-mediated cell death pathway. Studies of the mouse counterpart of this gene suggested that this kinase play a key role in T cell proliferation, apoptosis and differentiation. Several alternatively spliced transcript variants encoding distinct isoforms have been reported. [provided by RefSeq, Apr 2016]

### Immunogen

Recombinant protein of human JNK1

### Gene ID

5599

### Swiss Prot

P45983

### Synonyms

JNK; JNK1; PRKM8; SAPK1; JNK-46; JNK1A2; SAPK1c; JNK21B1/2

### Reactivity

Human,Mouse,Rat

### Application

WB, ICC/IF, FC, IP

### Calculated MW

48,53 kDa

### Observed MW

46,54 kDa

### Host species

Rabbit

### Clonality

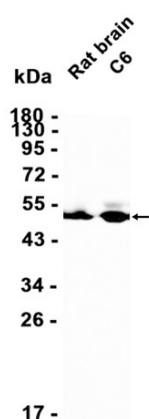
Monoclonal

### Clonality No.

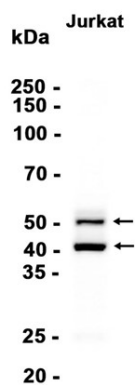
DGR13729

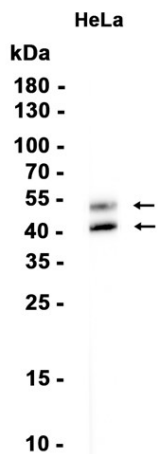
|                          |   |
|--------------------------|---|
| <b>Isotype</b>           | IgG   |
| <b>Purity</b>            | Affinity Purification   |
| <b>Conjugation</b>       | Un-conjugated   |
| <b>Concentration</b>     | 1 mg/mL   |
| <b>Formulation</b>       | PBS Only  |
| <b>Storage Stability</b> | 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 C6 cells and Rat brain tissue using [db14225](#) at 1:1000.

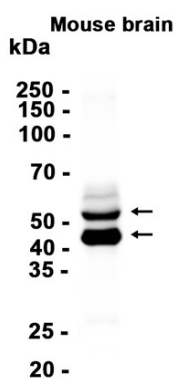


Western blot analysis of extracts from Jurkat cells using [db14225](#) at 1:1000.

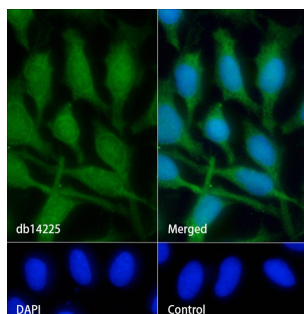




Western blot analysis of extracts from HeLa cells using db14225 at 1:1000.



Western blot analysis of extracts from Mouse brain tissue using db14225 at 1:1000.



Immunofluorescence analysis of HeLa cells labelling JNK1/JNK2/JNK3 with db14225.

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 db14225 (1:500) 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.