

Recombinant

DGRmAb®

beta Actin (DGR18394) Rabbit mAb (PBS Only)

db13986-PBS

Package : 100µg

Product Name : beta Actin (DGR18394) Rabbit mAb (PBS Only)**Cat.No.:** db13986-PBS**Synonyms** : BRWS1; PS1TP5BP1; ACTB**Application** : WB, IHC, ICC/IF, FC**Reactivity** : Human, Mouse, Rat, Rabbit, Chicken, Pig, Zebrafish, Cow, Dog**Host species** : Rabbit**Background**

This gene encodes one of six different actin proteins. Actins are highly conserved proteins that are involved in cell motility, structure, integrity, and intercellular signaling. The encoded protein is a major constituent of the contractile apparatus and one of the two nonmuscle cytoskeletal actins that are ubiquitously expressed. Mutations in this gene cause Baraitser- Winter syndrome 1, which is characterized by intellectual disability with a distinctive facial appearance in human patients. Numerous pseudogenes of this gene have been identified throughout the human genome.

[provided by RefSeq, Aug 2017]

Immunogen

A synthetic peptide of human beta Actin

Gene ID

60

Swiss Prot

P60709

Synonyms

BRWS1; PS1TP5BP1; ACTB

Reactivity

Human, Mouse, Rat, Rabbit, Chicken, Pig, Zebrafish, Cow, Dog

Application

WB, IHC, ICC/IF, FC

Calculated MW

42 kDa

Observed MW

42 kDa

Host species

Rabbit

Clonality

Monoclonal

Clonality No.

DGR18394

Isotype

IgG

Purity

Affinity Purification

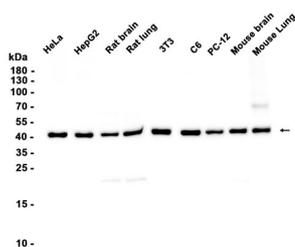
Conjugation

Un-conjugated

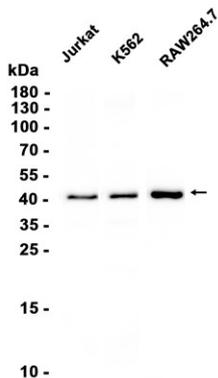
Concentration 1 mg/mL

Formulation PBS Only

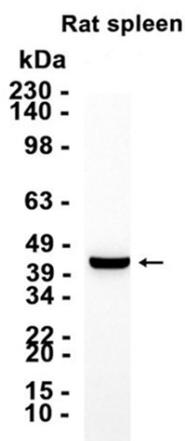
Storage Stability Store at -20°C. Recommended to aliquot into single-use vials. Supplied in 1X PBS (pH 7.4). BSA and Azide Free. Stable for 12 months from date of receipt.



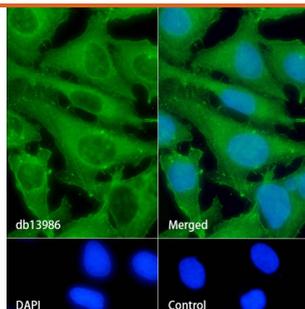
Western blot analysis of extracts from HeLa, HepG2, 3T3, C6, PC-12 cells and Rat brain, Rat lung, Mouse brain, Mouse lung tissues using db13986 at 1:5000.



Western blot analysis of extracts from Jurkat, K562, RAW264.7 cells using db13986 at 1:5000.



Western blot analysis of extracts from Rat spleen tissue using db13986 at 1:1000.



Immunofluorescence analysis of HeLa cells labelling beta Actin with [db13986](#).

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 [db13986](#) (1:20) 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.