

Recombinant

DGRmAb®

beta Actin (DGR18394) Rabbit mAb

db13986

Package : 10µL 20µL 100µL 500µL 1mL

Product Name : beta Actin (DGR18394) Rabbit mAb

Cat.No.: db13986

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

Recommended dilution

WB: 1:1000

IHC: 1:200

ICC/IF: 1:20

FC: 1:20

Calculated MW

42 kDa

Observed MW

42 kDa

Host species

Rabbit

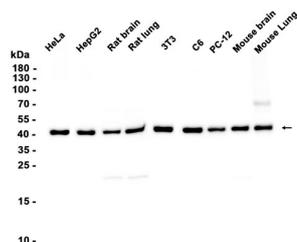
Clonality

Monoclonal

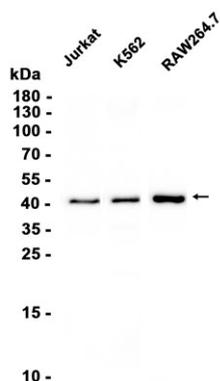
Clonality No.

DGR18394

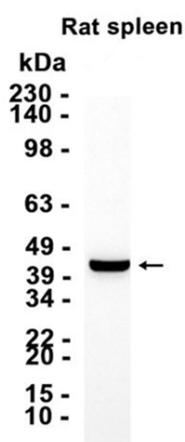
Isotype	IgG
Purity	Affinity Purification
Conjugation	Un-conjugated
Storage Stability	Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.



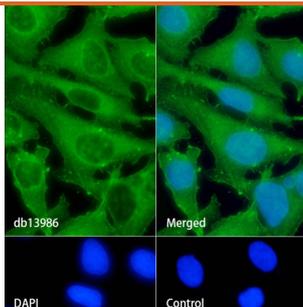
Western blot analysis of extracts from HeLa, HepG2, 3T3, C6, PC-12 cells and Rat brain, Rat lung, Mouse brain, Mouse lung tissues using db13986 at 1:5000.



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.