Recombinant DGRmAb®

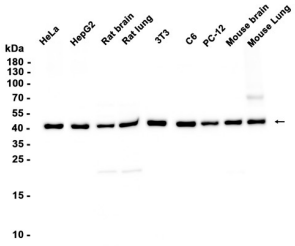
beta Actin (DGR18394) Rabbit mAb

db13986 **Package : 10μL 20μL 100μL 500μL 1mL**

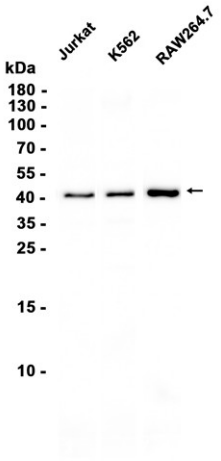
Product Name : beta Actin (DGR18394) Rabbit mAb
Cat.No.: db13986
Synonyms : BRWS1; PS1TP5BP1; ACTB
Application : WB, IHC, ICC/IF, FC
Reactivity : Human, Mouse, Rat, Rabbit, Chicken, Pig, Zebrafish, Cow, Dog
Host species : Rabbit

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

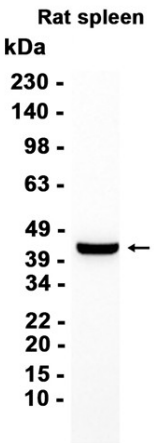
Isotype	IgG
Purity	Affinity Purification
Conjugation	Un-conjugated
Storage Stability	Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.



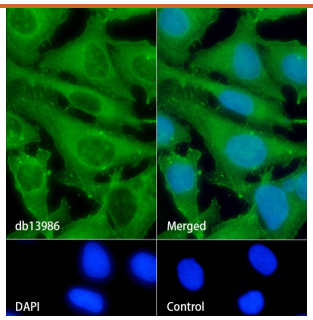
Western blot analysis of extracts from HeLa, HepG2, 3T3, C6, PC-12 cells and Rat brain, Rat lung, Mouse brain, Mouse lung tissues using db13986 at 1:5000.



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



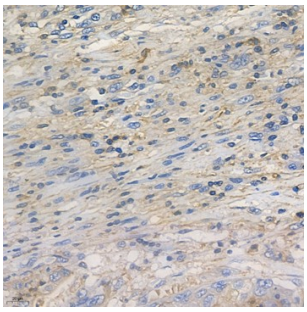
Western blot analysis of extracts from Rat spleen tissue using db13986 at 1:1000.



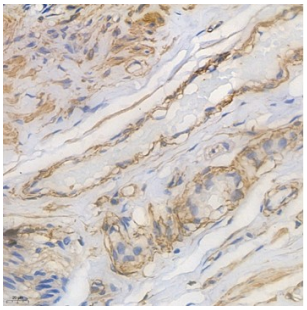
Immunofluorescence analysis of HeLa cells labelling beta Actin with db13986.

The cells were fixed with cold 100% methanol (10min, 4℃) 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.



Immunohistochemical analysis of paraffin-embedded human esophageal carcinoma tissue labeling beta Actin with db13986. Counter stained with Hematoxylin.



Immunohistochemical analysis of paraffin-embedded human testicular cancer tissue labeling beta Actin with db13986. Counter stained with Hematoxylin.