

Recombinant

DGRmAb®

RAB7 (DGR16231) Rabbit mAb (PBS Only)

db12231-PBS

Package : 10µg 100µg

Product Name : RAB7 (DGR16231) Rabbit mAb (PBS Only)**Cat.No.:** db12231-PBS**Synonyms** : RAB7; PRO2706**Application** : WB, IHC, ICC/IF, FC**Reactivity** : Human, Mouse, Rat**Host species** : Rabbit**Background**

RAB family members are small, RAS-related GTP-binding proteins that are important regulators of vesicular transport. Each RAB protein targets multiple proteins that act in exocytic / endocytic pathways. This gene encodes a RAB family member that regulates vesicle traffic in the late endosomes and also from late endosomes to lysosomes. This encoded protein is also involved in the cellular vacuolation of the VacA cytotoxin of *Helicobacter pylori*. Mutations at highly conserved amino acid residues in this gene have caused some forms of Charcot-Marie-Tooth (CMT) type 2 neuropathies. [provided by RefSeq, Jul 2008]

Immunogen

A synthetic peptide of human RAB7

Gene ID

7879

Swiss Prot

P51149

Synonyms

RAB7; PRO2706

Reactivity

Human, Mouse, Rat

Application

WB, IHC, ICC/IF, FC

Calculated MW

24 kDa

Observed MW

24 kDa

Host species

Rabbit

Clonality

Monoclonal

Clonality No.

DGR16231

Isotype

IgG

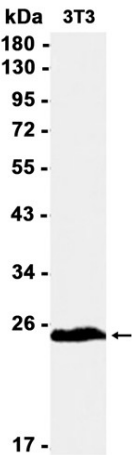
Purity

Affinity Purification

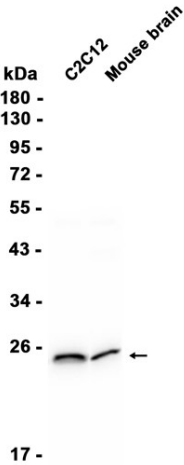
Conjugation

Un-conjugated

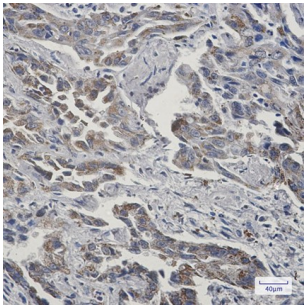
Concentration	1 mg/mL
Formulation	PBS Only
Storage Stability	Store at -20°C. Recommended to aliquot into single-use vials. Supplied in 1X PBS (pH 7.4). BSA and Azide Free. Stable for 12 months from date of receipt.



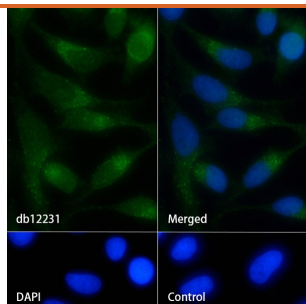
Western blot analysis of extracts from 3T3 cells using [db12231](#) at 1:1000.



Western blot analysis of extracts from C2C12 cells and Mouse brain tissue using [db12231](#) at 1:1000.



Immunohistochemical analysis of paraffin-embedded human lung cancer using [db12231](#) antibody.



Immunofluorescence analysis of HeLa cells labelling RAB7 with [db12231](#).

The cells were fixed with 4% PFA (10min, RT) followed by treatment with 0.1% Triton X-100 (10min, RT), 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 [db12231](#) (1:50) 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.