Recombinant DGRmAb®

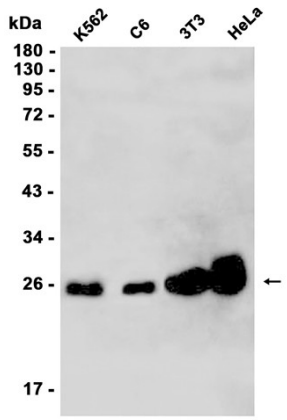
Rab7 (DGR14373) Rabbit mAb

db11619 **Package : 10μL 20μL 50μL 100μL**

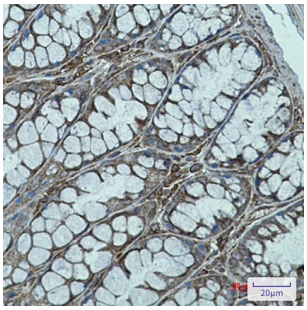
Product Name : Rab7 (DGR14373) Rabbit mAb
Cat.No.: db11619
Synonyms : RAB7; PRO2706
Application : WB, IHC-P, ICC/IF, FC
Reactivity : Human,Mouse,Rat
Host species : Rabbit

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-P, ICC/IF, FC
Recommended dilution	WB: 1:1000-1:5000 IHC-P: 1:50-1:100 ICC/IF: 1:100-1:500 FC: 1:10-1:100
Calculated MW	24 kDa
Observed MW	24 kDa
Host species	Rabbit
Clonality	Monoclonal
Clonality No.	DGR14373

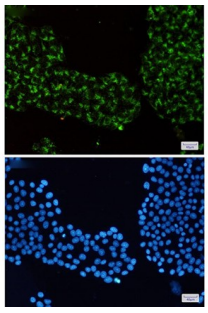
Isotype	IgG
Purity	Affinity Purification
Conjugation	Un-conjugated
Storage Stability	Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.



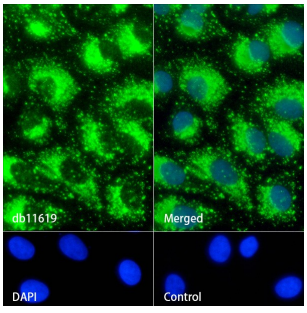
Western blot analysis of extracts from K562, C6, 3T3, HeLa using db11619 at 1:1000.



Immunohistochemical analysis of paraffin-embedded mouse colon using db11619 antibody.



Immunofluorescent analysis of HeLa cells using db11619 antibody (green), and DAPI (blue).



Immunofluorescence analysis of A549 cells labelling Rab7 with db11619.

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 db11619 (1:100) 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.