# RAB7A Conjugated Antibody

Catalog No: #C38205

Package Size: #C38205-AF350 100ul #C38205-AF405 100ul #C38205-AF488 100ul #C38205-AF555 100ul #C38205-AF594 100ul #C38205-AF647 100ul #C38205-AF680 100ul #C38205-AF750 100ul #C38205-Biotin 100ul

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## Description

| | |
|---|---|
| Product Name | RAB7A Conjugated Antibody |
| Host Species | Rabbit |
| Clonality | Polyclonal |
| Species Reactivity | Hu Ms Rt |
| Specificity | The antibody detects endogenous level of total RAB7A antibody. |
| Immunogen Description | Recombinant protein of human RAB7A. |
| Conjugates | Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750 |
| Other Names | RAB7A;FLJ20819;PRO2706;RAB7 ; |
| Accession No. | Swiss-Prot#:P51149NCBI Gene ID:7879 |
| Uniprot | P51149 |
| GeneID | 7879; |
| Excitation Emission | AF350: 346nm/442nm<br>AF405: 401nm/421nm<br>AF488: 493nm/519nm<br>AF555: 555nm/565nm<br>AF594: 591nm/614nm<br>AF647: 651nm/667nm<br>AF680: 679nm/702nm<br>AF750: 749nm/775nm |
| Calculated MW | 23 |
| Formulation | 0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide |
| Storage | Store at 4°C in dark for 6 months |

## Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

## Background

Rab7 and Rab9 are members of the Ras superfamily of small Rab GTPases (1). Both proteins are located in late endosomes, but exert different functions. Rab7 associates with the RIPL effector protein to control membrane trafficking from early to late endosome and to lysosomes (2,3). Rab7 also helps to regulate growth receptor endocytic trafficking and degradation (3,4), and maturation of phagosome and autophagic vacuoles (4-6). Rab9 interacts with its effector proteins p40 and TIP47 (7,8) to promote the MPR (mannose 6-phosphate receptor)-associated lysosomal enzyme transport between late endosomes and the trans Golgi network (9,10).

Note: This product is for in vitro research use only