

## Anti-Rab5 Polyclonal Antibody

**CATALOG NO:** 3483-30T 30 µg (Trial size)  
3483-100 100 µg

**HOST:** Rabbit

**IMMUNOGEN:** Synthetic peptide surrounding amino acid 185 of human Rab5 (ID# BV-393)

**SPECIES REACTIVITY:** Human, Mouse, Rat, Monkey, Bovine

### FORMULATION:

0.5 mg/ml affinity purified rabbit polyclonal antibody in phosphate-buffered saline (PBS) containing 30% glycerol, 0.5% BSA, and 0.01% thimerosal.

### STORAGE CONDITIONS:

Store at -20°C. For long term storage, aliquot and freeze at -70°C. Avoid repeated freeze/thaw cycles.

### BACKGROUND:

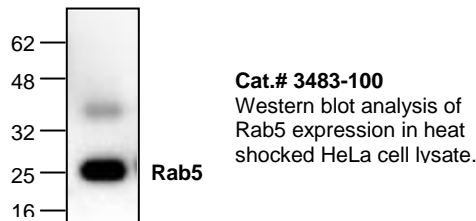
Rab5 is a 24 kDa GTP-binding protein that is localized to the cytoplasmic side of the plasma membrane, clathrin-coated vesicles, and early endosomes. Rab5 is believed to regulate vesicle fusion through a cycle of GDP/GTP exchange and GTP hydrolysis. The different guanine nucleotide binding states of rab5 is postulated to affect its ability to associate or dissociate with membranes during endocytotic membrane traffic. Its GTP-bound form, which represents the active form of Rab5, associates with membrane and regulates vesicle docking and fusion.

### SPECIFICITY:

The antibody recognizes 26 kDa Rab5 of human, mouse, monkey, bovine and rat origins. Reactivity to other species has not been tested.

### APPLICATION:

The antibody can be used in Western blotting (0.5-4 µg/ml). Based on researchers feed back, it also works well in immunoprecipitation and immunohistochemistry. However, the optimal concentrations should be determined individually. Blocking peptide (Cat.# 3483BP-50) is available separately.



**FOR RESEARCH USE ONLY! Not to be used on humans.**

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