

Anti-Rab5 Polyclonal Antibody

CATALOG #: 3483-100

AMOUNT: 100 µg

LOT #: _____

HOST: Rabbit

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

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

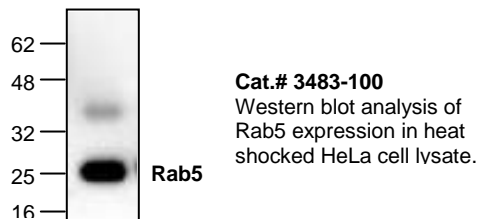
FORMULATION:
100 µg (0.5 mg/ml) affinity purified rabbit polyclonal antibody in phosphate-buffered saline (PBS) containing 30% glycerol, 0.5% BSA, and 0.01% thimerosal.

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.

RELATED PRODUCTS:

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 - Annexin V Kits & Bulk Reagents
 - Caspase Assay Kits & Reagents
 - Mitochondrial Apoptosis Kits & Reagents
 - Nuclear Apoptosis Kits & Reagents
 - Apoptosis Inducers and Set
 - Apoptosis siRNA Vectors
- Cell Fractionation System
 - Mitochondria/Cytosol Fractionation Kit
 - Nuclear/Cytosol Fractionation Kit
 - Membrane Protein Extraction Kit
 - Cytosol/Particulate Rapid Separation Kit
 - Mammalian Cell Extraction Kit
 - FractionPREP Fractionation System
- Cell Proliferation & Senescence
 - Quick Cell Proliferation Assay Kit
 - Senescence Detection Kit
 - High Throughput Apoptosis/Cell Viability Assay Kits
 - LDH-Cytotoxicity Assay Kit
 - Bioluminescence Cytotoxicity Assay Kit
 - Live/Dead Cell Staining Kit
- Cell Damage & Repair
 - HDAC Fluorometric & Colorimetric Assays & Drug Discovery Kits
 - HAT Colorimetric Assay Kit & Reagents
 - DNA Damage Quantification Kit
 - Glutathione & Nitric Oxide Fluorometric & Colorimetric Assay Kits
- Signal Transduction
 - Camp & cGMP Assay Kits
 - Akt & JNK Activity Assay Kits
 - Beta-Secretase Activity Assay Kit
- Adipocyte & Lipid Transfer
 - Recombinant Adiponectin, Survivin, & Leptin
 - CETP Activity Assay & Drug Discovery Kits
 - PLTP Activity Assay & Drug Discovery Kits
 - Total Cholesterol Quantification Kit
- Molecular Biology & Reporter Assays
 - siRNA Vectors
 - Cloning Insert Quick Screening Kit
 - Mitochondrial & Genomic DNA Isolation Kits
 - 5 Minutes DNA Ligation Kit
 - 20 Minutes Gel Staining/Destaining Kit
 - Taq DNA Polymerase and T4 DAN Ligase
- Growth Factors and Cytokines
- Monoclonal and Polyclonal Antibodies