

Gα15 Polyclonal Antibody

CATALOG #:	3250R-100
AMOUNT:	100 µg
LOT #:	_____
HOST:	Rabbit
IMMUNOGEN:	Synthetic peptide surrounding amino acid 356 of human Gα15 (Internal ID# BV-D22G)
SPECIES REACTIVITY:	human, mouse, rat, rabbit

FORMULATION:

100 µg (0.5 mg/ml) affinity purified rabbit anti-Gα15 polyclonal antibody in PBS (pH 7.2) containing 30% glycerol, 0.5% BSA, 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 DESCRIPTION:

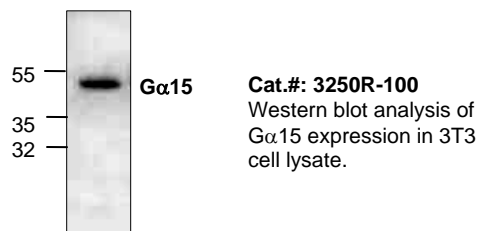
Gα16 is the only heterotrimeric G protein with a restricted expression pattern in hematopoietic cells. Differentiation of promyelocytic cells leads to decreased expression of Gα16. The G protein is known to couple a large number of G protein-coupled receptors to PLC-β and can lead to production of the secondary messengers diacylglycerol and inositol phosphates. Targeted deletion of Gα15, a mouse orthologue of human Gα16, causes reduced C5a receptor signaling. Gα16 serves as a marker, in addition to CD34, for hematopoietic progenitor cells.

SPECIFIC ACTIVITY:

The antibody detects Gα15 in samples from human, mouse, rat, and rabbit origins. It also detects Gα16 from samples of human origin. Reactivity to other species has not been determined.

Other species APPLICATION AND USAGE:

The antibody can be used for Western blotting (0.5-4 µg/ml). From researcher's feedback, the antibody can also be used in immunohistochemistry (5-20 µg/ml). However, the optimal conditions should be determined individually. Blocking peptide (Cat.# 3250RBP-50) is available separately.



RELATED PRODUCTS:

- Apoptosis Detection Kits & Reagents
 - Annexin V Kits & Bulk Reagents
 - Caspase Assay Kits & Reagents
 - Mitochondrial Apoptosis Kits & Reagents
 - Nuclear Apoptosis Kits & Reagents
 - Apoptosis Inducers and Set
 - Apoptotic Cell Isolation Kit
- 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 Kit
 - 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
 - β-Galactosidase Staining Kit & Luciferase Reporter Assay Kit
- Growth Factors and Cytokines
- Monoclonal and Polyclonal Antibodies