

G α -15 Polyclonal Antibody

CATALOG NO:	3250R-30T	30 μ g (Trial size)
	3250R-100	100 μ g
HOST:	Rabbit	
IMMUNOGEN:	Synthetic peptide surrounding amino acid 356 of human G α -15 (alternate name G α -16) (Internal ID# BV-D22G)	
SPECIES REACTIVITY:	Human, Mouse, Rat, Rabbit	

FORMULATION:

0.5 mg/ml affinity purified rabbit anti-G α -15 polyclonal antibody in PBS (pH 7.2) containing 30% glycerol, 0.5% BSA, 5mM EDTA 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 DESCRIPTION:

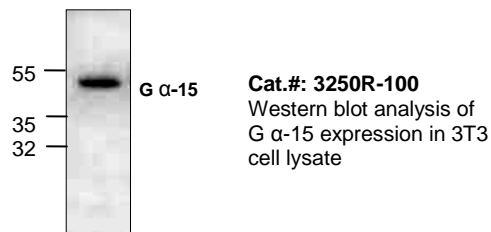
G α -16 is the only heterotrimeric G protein with a restricted expression pattern in hematopoietic cells. Differentiation of promyelocytic cells leads to decreased expression of G α -16. The G protein is known to couple a large number of G protein-coupled receptors to PLC- β and can lead to production of the secondary messengers diacylglycerol and inositol phosphates. Targeted deletion of G α -15, a mouse orthologue of human G α -16, causes reduced C5 α receptor signaling. G α -16 serves as a marker, in addition to CD34, for hematopoietic progenitor cells.

SPECIFIC ACTIVITY:

The antibody detects G α -15 in samples from human, mouse, rat, and rabbit origins. It also detects G α -16 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 μ g/ml). From researcher's feedback, the antibody can also be used in immunohistochemistry (5-20 μ g/ml). However, the optimal conditions should be determined individually. Blocking peptide (Cat.# 3250RBP-50) is available separately.



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