

## Anti-RHOG Polyclonal Antibody

### Product Details

Ig Type:	IgG
Reactivity:	Human (predicted:Mouse,Rat)
Molecular Weight:	Theoretical: 21 kDa.
Purification:	Protein A purified

### Applications

Blank control: Molt-4.  
Primary Antibody (green line): Rabbit Anti-RHOG antibody (TMAB-12246)  
Dilution: 0.2 µg /10<sup>6</sup> cells;  
Isotype Control Antibody (orange line): Rabbit IgG.  
Secondary Antibody: Goat anti-rabbit IgG-PE

Verified Activity: Dilution: 0.2 µg /test.

#### Protocol

The cells were incubated in 5% BSA to block non-specific protein-protein interactions for 30 min at room temperature. Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.

Application: FCM

Recommended FCM: 0.2µg/Test

### Properties

Stability & Storage: Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

### Antigen Details

Immunogen:	KLH conjugated synthetic peptide: human RHOG
Antigen Species:	Human
Gene ID:	391
Uniprot ID:	P84095

### Research Background

This gene encodes a member of the Rho family of small GTPases, which cycle between inactive GDP-bound and active GTP-bound states and function as molecular switches in signal transduction cascades. Rho proteins promote reorganization of the actin cytoskeleton and regulate cell shape, attachment, and motility. The encoded protein facilitates translocation of a functional guanine nucleotide exchange factor (GEF) complex from the cytoplasm to the plasma membrane where ras-related C3 botulinum toxin substrate 1 is activated to promote lamellipodium formation and cell migration. Two related pseudogene have been identified on chromosomes 20 and X. [provided by RefSeq, Aug 2011].

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