

# RHOB Conjugated Antibody

Catalog No: #C31144

Package Size: #C31144-AF350 100ul #C31144-AF405 100ul #C31144-AF488 100ul

#C31144-AF555 100ul #C31144-AF594 100ul #C31144-AF647 100ul

#C31144-AF680 100ul #C31144-AF750 100ul #C31144-Biotin 100ul

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## Description

Product Name	RHOB Conjugated Antibody
Host Species	Rabbit
Clonality	Polyclonal
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous level of total RHOB protein.
Immunogen Description	Synthetic peptide corresponding to a region derived from 179-188 amino acids of Human Ras homolog family member B
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	Ras homolog family member B, ARH6, ARHB, RHOH6
Accession No.	Swiss-Prot#:NCBI Gene ID:NCBI mRNA#:NCBI Protein#:NP_067075
Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
Calculated MW	22
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°C in dark for 6 months

## Application Details

### Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

## Product Description

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Antibodies were produced by immunizing rabbits and were purified by antigen affinity-chromatography.

## Background

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Ras homolog gene family, member B, also known as RHOB, is a protein which in humans is encoded by the RHOB gene. RHOB is a member of the Rho GTP-binding protein family. Mediates apoptosis in neoplastically transformed cells after DNA damage. It is not necessary for development but affects cell adhesion and growth factor signaling in transformed cells. It plays a negative role in tumorigenesis as deletion causes tumor formation. It is involved in intracellular protein trafficking of a number of proteins, and serves as a microtubule-dependent signal that is required for the myosin contractile ring formation during cell cycle cytokinesis. Required for genotoxic stress-induced cell death in breast cancer cells.

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Note: This product is for in vitro research use only