

## Anti-ROC1/RBX1 Antibody Picoband® FITC Conjugated

Catalog Number: PB9798-FITC

### About RBX1

RING-box protein 1, also known as ROC1, is a protein that in humans is encoded by the RBX1 gene. This gene is mapped to chromosome 22q13.2 based on an alignment of the RBX1 sequence with the genomic sequence. ROC1 is recruited by cullin-1 to form a quaternary SCF (HOS)-ROC1 holoenzyme (with SKP1 and the BTRCP homolog HOS). SCF (HOS)-ROC1 binds IKK-beta-phosphorylated I-kappa-B-alpha and catalyzes its ubiquitination in the presence of ubiquitin, E1, and CDC34. Conclusively, ROC1 plays a unique role in the ubiquitination reaction by heterodimerizing with cullin-1 to catalyze ubiquitin polymerization.

### Overview

Product Name	Anti-ROC1/RBX1 Antibody Picoband® FITC Conjugated
Reactive Species	Human, Mouse, Rat
Application	Recommended applications are based on the parent unconjugated antibody (Flow Cytometry, IF, ICC, WB). Customers may select suitable applications according to their experimental needs.
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.02% Na <sub>3</sub> N.
Storage Instructions	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.
Host	Rabbit
Uniprot ID	P62877

### Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human ROC1, identical to the related mouse sequence.
Cross Reactivity	No cross-reactivity with other proteins.
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	FITC Excitation Wavelength: 495 nm Emission Wavelength: 525 nm
Suggested Dilutions	Optimal dilutions should be determined by end users.

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