

## Anti-RACK1 GNB2L1 Antibody Picoband® FITC Conjugated

Catalog Number: PB9243-FITC

### About GNB2L1

Guanine nucleotide-binding protein subunit beta-2-like 1, also known as RACK1 is a 32kDa protein that in humans is encoded by the GNB2L1 gene. It is mapped to 5q35.3. GNB2L1 is a major component of translating ribosomes, which harbor significant amounts of PKC. This gene can provide a physical and functional link between PKC signaling and ribosome activation. GNB2L1 is also a mediator of agonist-induced Ca (2+) release. What's more, GNB2L1 is an essential component of an oxygen-independent mechanism for regulating HIF1A stability. Overexpression of GNB2L1 and PKC-alpha suppressed CLOCK-BMAL1 transcriptional activity, and GNB2L1 stimulated phosphorylation of BMAL1 by PKC-alpha in vitro.

### Overview

Product Name	Anti-RACK1 GNB2L1 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	P63244

### Technical Details

Immunogen	E.coli-derived human RACK1 recombinant protein (Position: T2-R317). Human RACK1 shares 100% amino acid (aa) sequence identity with both mouse and rat RACK1.
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.

## 1 Publications Citing This Product

1. PubMed ID: 24504450, Jin S, Mu Y, Wang X, Liu Z, Wan L, Xiong Y, Zhang Y, Zhou L, Li L. Mol Biol Rep. 2014 May;41(5):3393-9. Doi: 10.1007/S11033-014-3201-Y. Epub 2014 Feb 7. Overexpressed Rack1 Is Positively Correlated With Malignant Degree Of Human Colorectal Carcinoma.

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