

## Anti-RTKN2 Antibody Picoband® FITC Conjugated

Catalog Number: A12576-1-FITC

### About RTKN2

Rhotekin 2 is a protein in humans that is encoded by the RTKN2 gene. The RTKN2 gene encodes a protein known as Rhotekin-2, which is involved in various cellular processes, including cytoskeletal organization, cell migration, and signal transduction. RTKN2 interacts with Rho GTPases, particularly RhoA, and modulates their activity to regulate actin cytoskeleton dynamics and cell morphology. This protein plays a role in cell adhesion and migration, with implications for tissue development, wound healing, and cancer metastasis. Additionally, RTKN2 has been linked to synaptic plasticity and neuronal development in the brain. Dysregulation of RTKN2 expression or function has been associated with neurological disorders, cardiovascular diseases, and cancer progression. Elucidating the molecular mechanisms underlying RTKN2's diverse functions is crucial for understanding its physiological roles and its potential as a therapeutic target for various diseases.

### Overview

Product Name	Anti-RTKN2 Antibody Picoband® FITC Conjugated
Reactive Species	Human, Mouse, Rat
Application	Recommended applications are based on the parent unconjugated antibody (ELISA, Flow Cytometry, 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	Q8IZC4

### Technical Details

Immunogen	E.coli-derived human RTKN2 recombinant protein (Position: M1-D572). Human RTKN2 shares 71.8% amino acid (aa) sequence identity with mouse RTKN2.
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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