

## Anti-KChIP2/KCNIP2 Antibody Picoband® FITC Conjugated

Catalog Number: PB9652-FITC

### About KCNIP2

Kv channel-interacting protein 2 also known as KChIP2 is a protein that in humans is encoded by the KCNIP2 gene. This gene encodes a member of the family of voltage-gated potassium (Kv) channel-interacting proteins, which belong to the recoverin branch of the EF-hand superfamily. Members of the KCNIP family are small calcium binding proteins. They all have EF-hand-like domains, and differ from each other in the N-terminus. And they are integral subunit components of native Kv4 channel complexes. They may regulate A-type currents, and hence neuronal excitability, in response to changes in intracellular calcium. Alternative splicing results in multiple transcript variant encoding different isoforms.

### Overview

Product Name	Anti-KChIP2/KCNIP2 Antibody Picoband® FITC Conjugated
Reactive Species	Human, Mouse, Rat
Application	Recommended applications are based on the parent unconjugated antibody (Flow Cytometry, IF, IHC, 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	Q9NS61

### Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human KChIP2, different from the related mouse and rat sequences by one amino acid.
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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