

Anti-FAM40B/STRIP2 Antibody Picoband® Fluoro647 Conjugated

Catalog Number: A12139-Fluoro647

About STRIP2

The STRIP2 gene encodes a protein known as striatin-interacting protein 2, which interacts with striatin, a scaffolding protein involved in diverse cellular processes such as signaling, cell adhesion, and transcriptional regulation. STRIP2 is implicated in cardiac development and function, where it modulates cardiac hypertrophy, contractility, and arrhythmogenesis. Additionally, it plays roles in neuronal development and synaptic plasticity in the brain. Dysregulation of STRIP2 expression or function has been associated with various cardiovascular disorders, including hypertrophic cardiomyopathy and arrhythmias, as well as neurodevelopmental disorders such as autism spectrum disorders. Elucidating the molecular mechanisms underlying STRIP2 function is essential for understanding its physiological roles in cardiac and neural tissues and its potential implications for disease pathology and therapeutic targeting.

Overview

Product Name	Anti-FAM40B/STRIP2 Antibody Picoband® Fluoro647 Conjugated
Reactive Species	Human, Mouse, Rat
Application	Recommended applications are based on the parent unconjugated antibody (ELISA, Flow Cytometry, IHC, 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 ₂ HPO ₄ , 0.02% NaN ₃ .
Storage Instructions	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.
Host	Rabbit
Uniprot ID	Q9ULQ0

Technical Details

Immunogen	E.coli-derived human FAM40B/STRIP2 recombinant protein (Position: H173-Q507). Human STRIP2 shares 96.4% amino acid (aa) sequence identity with mouse STRIP2.
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	Fluoro647 Excitation Wavelength: 650 nm Emission Wavelength: 665 nm
Suggested Dilutions	Optimal dilutions should be determined by end users.

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