Datasheet for ABIN7600294

anti-STRIP2 antibody (AA 173-507)

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Overview

Quantity:	100 µg
Target:	STRIP2
Binding Specificity:	AA 173-507
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This STRIP2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Flow Cytometry (FACS)

Product Details

Purpose:	Anti-FAM40B/STRIP2 Antibody Picoband®
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.
Characteristics:	Anti-FAM40B/STRIP2 Antibody Picoband® (ABIN7600294). Tested in WB, IHC, Flow Cytometry, ELISA applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

Target Details

Target:	STRIP2
Alternative Name:	STRIP2 (STRIP2 Products)
Background:	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.
Molecular Weight:	100 kDa
Gene ID:	57464

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Human, Rat Immunohistochemistry, 2-5 µg/mL, Human, Mouse, Rat Flow Cytometry (Fixed), 1-3 µg/1x10^6 cells, Human ELISA, 0.1-0.5 µg/mL, - 1. Gross, M. B. Personal Communication. Baltimore, Md. 3/22/2018. 2. Kemp, H. A., Sprague, G. F., Jr. Far3 and five interacting proteins prevent premature recovery from pheromone arrest in the budding yeast Saccharomyces cerevisiae. Molec. Cell. Biol. 23: 1750-1763, 2003. 3. Madsen, C. D., Hooper, S., Tozluoglu, M., Bruckbauer, A., Fletcher, G., Erler, J. T., Bates, P. A., Thompson, B., Sahai, E. STRIPAK components determine mode of cancer cell migration and metastasis. Nature Cell Biol. 17: 68-80, 2015.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.

Handling

Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4.
Storage:	4 °C,-20 °C
Storage Comment:	At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.