

Datasheet for ABIN7600051  
**anti-SMAP2 antibody (AA 142-429)**



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## Overview

Quantity:	100 µg
Target:	SMAP2
Binding Specificity:	AA 142-429
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SMAP2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS)

## Product Details

Purpose:	Anti-SMAP2 Antibody Picoband®
Immunogen:	E.coli-derived human SMAP2 recombinant protein (Position: K142-K429). Human SMAP2 shares 94.1% amino acid (aa) sequence identity with mouse SMAP2.
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins
Characteristics:	Anti-SMAP2 Antibody Picoband® (ABIN7600051). Tested in WB, Flow Cytometry, ELISA applications. This antibody reacts with Human. 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:	SMAP2
Alternative Name:	SMAP2 ( <a href="#">SMAP2 Products</a> )
Background:	<p>Synonyms: SMAP2, SMAP1L, Stromal membrane-associated protein 2, Stromal membrane-associated protein 1-like</p> <p>Background: Predicted to enable GTPase activator activity. Located in cytosol and nucleoplasm.</p>
Molecular Weight:	47 kDa
Gene ID:	64744

## Application Details

Application Notes:	<p>Western blot, 0.25-0.5 µg/mL, Human</p> <p>Flow Cytometry (Fixed), 1-3 µg/1x10<sup>6</sup> cells, Human</p> <p>ELISA, 0.1-0.5 µg/mL</p> <p>1. Hartz, P. A. Personal Communication. Baltimore, Md. 4/22/2016. 2. Kobayashi, N., Kon, S., Henmi, Y., Funaki, T., Satake, M., Tanabe, K. The Arf GTPase-activating protein SMAP1 promotes transferrin receptor endocytosis and interacts with SMAP2. Biochem. Biophys. Res. Commun. 453: 473-479, 2014. 3. Natsume, W., Tanabe, K., Kon, S., Yoshida, N., Watanabe, T., Torii, T., Satake, M. SMAP2, a novel ARF GTPase-activating protein, interacts with clathrin and clathrin assembly protein and functions on the AP-1-positive early endosome/trans-Golgi network. Molec. Biol. Cell 17: 2592-2603, 2006.</p>
Restrictions:	For Research Use only

## Handling

Format:	Lyophilized
Reconstitution:	Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na <sub>2</sub> HPO <sub>4</sub> .
Storage:	4 °C, -20 °C
Storage Comment:	<p>At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month.</p> <p>It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.</p>