

Datasheet for ABIN7602246

**anti-PHACTR1 antibody (AA 66-395)**[Go to Product page](#)

## Overview

Quantity:	100 µg
Target:	PHACTR1
Binding Specificity:	AA 66-395
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PHACTR1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS)

## Product Details

Purpose:	Anti-PHACTR1 Antibody Picoband®
Immunogen:	E.coli-derived human PHACTR1 recombinant protein (Position: K66-E395). Human PHACTR1 shares 94.8% and 95.2% amino acid (aa) sequence identity with mouse and rat PHACTR1, respectively.
Characteristics:	Anti-PHACTR1 Antibody Picoband® (ABIN7602246). Tested in WB, 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:	PHACTR1
Alternative Name:	PHACTR1 ( <a href="#">PHACTR1 Products</a> )
Background:	Phosphatase and actin regulator 1 (PHACTR1) is a protein that in humans is encoded by the PHACTR1 gene on chromosome 6. The protein encoded by this gene is a member of the phosphatase and actin regulator family of proteins. This family member can bind actin and regulate the reorganization of the actin cytoskeleton. It plays a role in tubule formation and in endothelial cell survival. Polymorphisms in this gene are associated with susceptibility to myocardial infarction, coronary artery disease and cervical artery dissection. Alternative splicing of this gene results in multiple transcript variants.
Molecular Weight:	69 kDa
Gene ID:	221692
UniProt:	<a href="#">Q9C0D0</a>

## Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Human, Mouse, Rat Flow Cytometry (Fixed), 1-3 µg/1×10 <sup>6</sup> cells, Human ELISA, 0.1-0.5 µg/mL, - 1. Allen, P. B., Greenfield, A. T., Svenningsson, P., Haspeslagh, D. C., Greengard, P. Phactrs 1-4: a family of protein phosphatase 1 and actin regulatory proteins. Proc. Nat. Acad. Sci. 101: 7187-7192, 2004. 2. de Ligt, J., Willemsen, M. H., van Bon, B. W. M., Kleefstra, T., Yntema, H. G., Kroes, T., Vulto-van Silfhout, A. T., Koolen, D. A., de Vries, P., Gilissen, C., del Rosario, M., Hoischen, A., Scheffer, H., de Vries, B. B. A., Brunner, H. G., Veltman, J. A., Vissers, L. E. L. M. Diagnostic exome sequencing in persons with severe intellectual disability. New Eng. J. Med. 367: 1921-1929, 2012. 3. Hamada, N., Ogaya, S., Nakashima, M., Nishijo, T., Sugawara, Y., Iwamoto, I., Ito, H., Maki, Y., Shirai, K., Baba, S., Maruyama, K., Saitsu, H., Kato, M., Matsumoto, N., Momiyama, T., Nagata, K. De novo PHACTR1 mutations in West syndrome and their pathophysiological effects. Brain 141: 3098-3114, 2018.
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

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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:	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.