

Datasheet for ABIN7600754  
**anti-PLXDC2 antibody (AA 23-448)**



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## Overview

Quantity:	100 µg
Target:	PLXDC2
Binding Specificity:	AA 23-448
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PLXDC2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Flow Cytometry (FACS)

## Product Details

Purpose:	Anti-PLXDC2 Antibody Picoband®
Immunogen:	E.coli-derived human PLXDC2 recombinant protein (Position: D23-K448).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-PLXDC2 Antibody Picoband® (ABIN7600754). Tested in ELISA, Flow Cytometry, IHC, WB 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:	PLXDC2
Alternative Name:	PLXDC2 ( <a href="#">PLXDC2 Products</a> )
Background:	<p>Synonyms: Protein phosphatase 1E, Ca (2+)/calmodulin-dependent protein kinase phosphatase N, CaMKP-N, CaMKP-nucleus, CaMKN, Partner of PIX 1, Partner of PIX-alpha, Partner of PIXA, PPM1E, CAMKN, KIAA1072, POPX1</p> <p>Tissue Specificity: Expressed in fetal and adult brain. Also detected in fetal liver and skeletal muscle, but not in their adult counterparts.</p> <p>Background: Plexin domain-containing protein 2 is a protein that in humans is encoded by the PLXDC2 gene. Predicted to be integral component of membrane.</p>
Molecular Weight:	60 kDa
Gene ID:	84898

## Application Details

Application Notes:	<p>Western blot, 0.25-0.5 µg/mL, Human</p> <p>Immunohistochemistry(Paraffin-embedded Section), 2-5 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. Carson-Walter, E. B., Watkins, D. N., Nanda, A., Vogelstein, B., Kinzler, K. W., St. Croix, B. Cell surface tumor endothelial markers are conserved in mice and humans. Cancer Res. 61: 6649-6655, 2001. 2. St. Croix, B., Rago, C., Velculescu, V., Traverso, G., Romans, K. E., Montgomery, E., Lal, A., Riggins, G. J., Lengauer, C., Vogelstein, B., Kinzler, K. W. Genes expressed in human tumor endothelium. Science 289: 1197-1202, 2000. 3. Stumpf, A. M. Personal Communication. Baltimore, Md. 01/11/2022.</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

## Handling

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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.