

Datasheet for ABIN7600706
anti-PPFIA2 antibody (AA 221-1257)



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Overview

Quantity:	100 µg
Target:	PPFIA2
Binding Specificity:	AA 221-1257
Reactivity:	Mouse, Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PPFIA2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS), Immunohistochemistry (IHC)

Product Details

Purpose:	Anti-PPFIA2 Antibody Picoband®
Immunogen:	E.coli-derived human PPFIA2 recombinant protein (Position: E221-C1257).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-PPFIA2 Antibody Picoband® (ABIN7600706). Tested in ELISA, IHC, WB, Flow Cytometry 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:	PPFIA2
Alternative Name:	PPFIA2 (PPFIA2 Products)
Background:	<p>Synonyms: Protein eva-1 homolog A, Protein FAM176A, Transmembrane protein 166, EVA1A, FAM176A, TMEM166, SP24</p> <p>Tissue Specificity: Expressed in lung, kidney, liver, pancreas, placenta, but not in heart and skeletal muscle.</p> <p>Background: The protein encoded by this gene is a member of the LAR protein-tyrosine phosphatase-interacting protein (liprin) family. Liprins interact with members of LAR family of transmembrane protein tyrosine phosphatases, which are known to be important for axon guidance and mammary gland development. It has been proposed that liprins are multivalent proteins that form complex structures and act as scaffolds for the recruitment and anchoring of LAR family of tyrosine phosphatases. This protein has been shown to bind the calcium/calmodulin-dependent serine protein kinase (MAGUK family) protein (also known as CASK) and proposed to regulate higher-order brain functions in mammals. Alternative splicing results in multiple transcript variants</p>
Molecular Weight:	143 kDa
Gene ID:	8499
UniProt:	075334

Application Details

Application Notes:	<p>Western blot, 0.25-0.5 µg/mL, Mouse, Rat</p> <p>Immunohistochemistry(Paraffin-embedded Section), 2-5 µg/mL, Rat</p> <p>Flow Cytometry (Fixed), 1-3 µg/1×10⁶ cells, Human</p> <p>ELISA, 0.1-0.5 µg/mL, -</p> <p>1. Gross, M. B. Personal Communication. Baltimore, Md. 9/2/2022. 2. Serra-Pages, C., Medley, Q. G., Tang, M., Hart, A., Streuli, M. Liprins, a family of LAR transmembrane protein-tyrosine phosphatase-interacting proteins. J. Biol. Chem. 273: 15611-15620, 1998. 3. Stucchi, R., Plucinska, G., Hummel, J. J. A., Zahavi, E. E., Guerra San Juan, I., Klykov, O., Scheltema, R. A., Maarten Altelaar, A. F., Hoogenraad, C. C. Regulation of KIF1A-driven dense core vesicle transport: Ca(2+)/CaM controls DCV binding and liprin-alpha/TANC2 recruits DCVs to postsynaptic sites. Cell Rep. 24: 685-700, 2018.</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 ₂ HPO ₄ .
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.