Datasheet for ABIN7601814

anti-Pleckstrin antibody (AA 47-308)

Go to Product page

Overview

Quantity:	100 µg
Target:	Pleckstrin (PLEK)
Binding Specificity:	AA 47-308
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Pleckstrin antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Flow Cytometry (FACS)

Product Details

Purpose:	Anti-Pleckstrin/PLEK Antibody Picoband®
Immunogen:	E.coli-derived human Pleckstrin/PLEK recombinant protein (Position: M47-K308).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-Pleckstrin/PLEK Antibody Picoband® (ABIN7601814). 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:	Pleckstrin (PLEK)
Alternative Name:	PLEK (PLEK Products)
Background:	Synonyms: Ubiquitin carboxyl-terminal hydrolase 21, Deubiquitinating enzyme 21, Ubiquitin thioesterase 21, Ubiquitin-specific-processing protease 21, USP21, USP23, PP1490 Tissue Specificity: Highly expressed in heart, pancreas and skeletal muscle. Also expressed in brain, placenta, liver and kidney, and at very low level in lung. Background: Enables phosphatidylinositol-3,4-bisphosphate binding activity, protein homodimerization activity, and protein kinase C binding activity. Involved in several processes, including G protein-coupled receptor signaling pathway, actin cytoskeleton organization, and positive regulation of supramolecular fiber organization. Located in cytoplasm and ruffle membrane.
Molecular Weight:	40 kDa
Gene ID:	5341
UniProt:	P08567
Pathways:	Inositol Metabolic Process, Regulation of G-Protein Coupled Receptor Protein Signaling, Regulation of Cell Size, Regulation of Carbohydrate Metabolic Process

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Human Immunohistochemistry(Paraffin-embedded Section), 2-5 µg/mL, Human Flow Cytometry (Fixed), 1-3 µg/1x10^6 cells, Human ELISA, 0.1-0.5 µg/mL, - 1. Cmarik, J. L., Hegamyer, G., Gerrard, B., Dean, M., Colburn, N. H. cDNA cloning and mapping of mouse pleckstrin (Plek), a gene upregulated in transformation-resistant cells. Genomics 66: 204-212, 2000. 2. Tyers, M., Haslam, R. J., Rachubinski, R. A., Harley, C. B. Molecular analysis of pleckstrin: the major protein kinase C substrate of platelets. J. Cell. Biochem. 40: 133-145, 1989. 3. Tyers, M., Rachubinski, R. A., Stewart, M. I., Varrichio, A. M., Shorr, R. G. L., Haslam, R. J., Harley, C. B. Molecular cloning and expression of the major protein kinase C substrate of platelets. Nature 333: 470-473, 1988.
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 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.