Datasheet for ABIN7602692

anti-PFN2 antibody (AA 96-138)

Go to Product page

Overview

Quantity:	100 µg
Target:	PFN2
Binding Specificity:	AA 96-138
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PFN2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Flow Cytometry (FACS)

Product Details

Purpose:	Anti-Profilin 2/PFN2 Antibody Picoband®
Immunogen:	E.coli-derived human Profilin 2/PFN2 recombinant protein (Position: E96-S138).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-Profilin 2/PFN2 Antibody Picoband® (ABIN7602692). Tested in ELISA, Flow Cytometry, IHC, WB 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:	PFN2
Alternative Name:	PFN2 (PFN2 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: Profilin-2, also called PFN2, is a protein that in humans is encoded by the PFN2 gene. The protein encoded by this gene is a ubiquitous actin monomer-binding protein belonging to the profilin family. This gene is mapped to 3q25.1. It is though to regulate actin polymerization in response to extracellular signals. There are two alternatively spliced transcript variants encoding different isoforms described for this gene. It binds to actin and affects the structure of the cytoskeleton. At high concentrations, profilin prevents the polymerization of actin, whereas it enhances it at low concentrations. By binding to PIP2, it inhibits the formation of IP3 and DG.
Molecular Weight:	15 kDa
Gene ID:	5217
UniProt:	P35080
Pathways:	Regulation of Actin Filament Polymerization, Synaptic Vesicle Exocytosis

Application Details

Application Notes:	Western blot, 0.1-0.25 µg/mL, Human, Mouse, Rat Immunohistochemistry (Paraffin-embedded Section), 2-5 µg/mL, Human, Mouse, Rat Flow Cytometry (Fixed), 1-3 µg/1x10^6 cells, Human ELISA, 0.1-0.5 µg/mL, - 1. Gieselmann, R., Kwiatkowski, D. J., Janmey, P. A., Witke, W. Distinct biochemical characteristics of the two human profilin isoforms. Europ. J. Biochem. 229: 621-628, 1995. 2. Joensuu, T., Blanco, G., Pakarinen, L., Sistonen, P., Kaariainen, H., Brown, S., de la Chapelle, A., Sankila, E.-M. Refined mapping of the Usher syndrome type III locus on chromosome 3, exclusion of candidate genes, and identification of the putative mouse homologous region. Genomics 38: 255-263, 1996.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Add 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 and 0.2 mg Na2HPO4.
Storage:	4 °C,-20 °C
Storage Comment:	Store 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 freeze-thaw cycles.