Datasheet for ABIN7601496

anti-MPZL1 antibody (AA 37-269)

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Overview

Quantity:	100 µg
Target:	MPZL1
Binding Specificity:	AA 37-269
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MPZL1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Purpose:	Anti-MPZL1 Antibody Picoband®
Immunogen:	E.coli-derived human MPZL1 recombinant protein (Position: A37-N269).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-MPZL1 Antibody Picoband® (ABIN7601496). Tested in ELISA, 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:	MPZL1
Alternative Name:	MPZL1 (MPZL1 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: Myelin protein zero-like protein 1 is a protein that in humans is encoded by the MPZL1 gene. MPZL1 is a cell surface receptor, which is involved in signal transduction processes. MPZL1 recruits PTPN11/SHP-2 to the cell membrane and is a putative substrate of PTPN11/SHP-2. MPZL1 is a major receptor for concanavalin A (ConA) and is involved in cell.
Molecular Weight:	29-37 kDa
Gene ID:	9019
UniProt:	O95297

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Human ELISA, 0.1-0.5 µg/mL, - 1. Paardekooper Overman, J., Yi, J.-S., Bonetti, M., Soulsby, M., Preisinger, C., Stokes, M. P., Hui, L., Silva, J. C., Overvoorde, J., Giansanti, P., Heck, A. J. R., Kontaridis, M. I., den Hertog, J., Bennett, A. M. PZR coordinates Shp2 Noonan and LEOPARD syndrome signaling in zebrafish and mice. Molec. Cell. Biol. 34: 2874-2889, 2014. 2. Zannettino, A. C. W., Roubelakis, M., Welldon, K. J., Jackson, D. E., Simmons, P. J., Bendall, L. J., Henniker, A., Harrison, K. L., Niutta, S., Bradstock, K. F., Watt, S. M. Novel mesenchymal and haematopoietic cell isoforms of the SHP-2 docking receptor, PZR: identification, molecular cloning and effects on cell migration. Biochem. J. 370: 537-549, 2003.
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.

Handling

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.