Datasheet for ABIN7600140

anti-PILRA antibody (AA 154-303)

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Overview

Quantity:	100 µg
Target:	PILRA
Binding Specificity:	AA 154-303
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PILRA antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Flow Cytometry (FACS)

Product Details

Purpose:	Anti-PILRA Antibody Picoband®
Immunogen:	E.coli-derived human PILRA recombinant protein (Position: T154-A303).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-PILRA Antibody Picoband® (ABIN7600140). Tested in ELISA, Flow Cytometry, 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:	PILRA
Alternative Name:	PILRA (PILRA Products)
Background:	Synonyms: Inorganic pyrophosphatase, Pyrophosphate phospho-hydrolase, Ppase, PPA1, IOPPP, PP Tissue Specificity: Expressed ubiquitously. Background: Paired immunoglobin like type 2 receptor alpha is a protein that in humans is encoded by the PILRA gene. Cell signaling pathways rely on a dynamic interaction between activating and inhibiting processes. SHP-1-mediated dephosphorylation of protein tyrosine residues is central to the regulation of several cell signaling pathways. Two types of inhibitory receptor superfamily members are immunoreceptor tyrosine-based inhibitory motif (ITIM)-bearing receptors and their non-ITIM-bearing, activating counterparts. Control of cell signaling via SHP-1 is thought to occur through a balance between PILRalpha-mediated inhibition and PILRbeta-mediated activation. These paired immunoglobulin-like receptor genes are located in a tandem head-to-tail orientation on chromosome 7. This particular gene encodes the ITIM-bearing member of the receptor pair, which functions in the inhibitory role. Alternative splicing has been observed at this locus and three variants, each encoding a distinct isoform, are described.
Molecular Weight:	61 kDa
Gene ID:	29992

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Human Flow Cytometry (Fixed), 1-3 µg /1x10^6 cells, Human ELISA, 0.1-0.5 µg/mL, -
	1. Fournier, N., Chalus, L., Durand, I., Garcia, E., Pin, J.-J., Churakova, T., Patel, S., Zlot, C., Gorman, D., Zurawski, S., Abrams, J., Bates, E. E. M., Garrone, P. FDF03, a novel inhibitory receptor of the immunoglobulin superfamily, is expressed by human dendritic and myeloid cells. J. Immun. 165: 1197-1209, 2000. 2. Kogure, A., Shiratori, I., Wang, J., Lanier, L. L., Arase, H. PANP is a novel O-glycosylated PILR-alpha ligand expressed in neural tissues. Biochem. Biophys. Res. Commun. 405: 428-433, 2011. 3. Mousseau, D. D., Banville, D., L'Abbe, D., Bouchard, P., Shen, S.-H. PILR-alpha, a novel immunoreceptor tyrosine-based inhibitory motif-bearing protein, recruits SHP-1 upon tyrosine phosphorylation and is paired with the truncated counterpart PILR-beta. J. Biol. Chem. 275: 4467-4474, 2000.
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.