Datasheet for ABIN7602614

anti-POMP antibody (AA 9-141)

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Overview

Quantity:	100 µg
Target:	POMP
Binding Specificity:	AA 9-141
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This POMP antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS)

Product Details

Purpose:	Anti-POMP Antibody Picoband®
Immunogen:	E.coli-derived human POMP recombinant protein (Position: E9-L141).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-POMP Antibody Picoband® (ABIN7602614). 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:	POMP
Alternative Name:	POMP (POMP Products)
Background:	Synonyms: NACHT, LRR and PYD domains-containing protein 2, Nucleotide-binding site protein 1, PYRIN domain and NACHT domain-containing protein 1, PYRIN-containing APAF1-like protein 2, NLRP2, NALP2, NBS1, PAN1, PYPAF2 Tissue Specificity: Expressed at high levels in lung, placenta and thymus and at lower levels in ovary, intestine and brain. Background: Proteasome maturation protein is a protein that in humans is encoded by the POMP gene. The protein encoded by this gene is a molecular chaperone that binds 20S preproteasome components and is essential for 20S proteasome formation. The 20S proteasome is the proteolytically active component of the 26S proteasome complex. The encoded protein is degraded before the maturation of the 20S proteasome is complete. A variant in the 5' UTR of this gene has been associated with KLICK syndrome, a rare skin disorder.
Molecular Weight:	16 kDa
Gene ID:	51371
UniProt:	Q9Y244

Application Details

Application Notes:	Western blot, 0.1-0.25 µg/mL, Human Flow Cytometry (Fixed), 1-3 µg/1x1x10^6 cells, Human ELISA, 0.1-0.5 µg/mL, - 1. Brehm, A., Liu, Y., Sheikh, A., Marrero, B., Omoyinmi, E., Zhou, Q., Montealegre, G., Biancotto, A., Reinhardt, A., Almeida de Jesus, A., Pelletier, M., Tsai, W. L., and 31 others. Additive loss-of-function proteasome subunit mutations in CANDLE/PRAAS patients promote type I IFN production. J. Clin. Invest. 125: 4196-4211, 2015. Note: Erratum: J. Clin. Invest. 126: 795 only, 2016. 2. Chondrogianni, N., Gonos, E. S. Overexpression of hUMP1/POMP proteasome accessory protein enhances proteasome-mediated antioxidant defence. Exp. Gerontol. 42: 899-903, 2007. 3. Dahlqvist, J., Klar, J., Tiwari, N., Schuster, J., Torma, H., Badhai, J., Pujol, R., van Steensel, M. A. M., Brinkhuizen, T., Gijezen, L., Chaves, A., Tadini, G., Vahlquist, A., Dahl, N. A single-nucleotide deletion in the POMP 5-prime UTR causes a transcriptional switch and altered epidermal proteasome distribution in KLICK genodermatosis. Am. J. Hum. Genet. 86: 596-603, 2010. Note: Erratum: Am. J. Hum. Genet. 86: 655 only, 2010.

Application Details

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.