

Datasheet for ABIN7599796
anti-PELI2 antibody (AA 118-420)



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Overview

Quantity:	100 µg
Target:	PELI2
Binding Specificity:	AA 118-420
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PELI2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF), Flow Cytometry (FACS), Immunocytochemistry (ICC)

Product Details

Purpose:	Anti-PELI2 Antibody Picoband®
Immunogen:	E.coli-derived human PELI2 recombinant protein (Position: D118-D420). Human PELI2 shares 97.4% amino acid (aa) sequence identity with mouse?PELI2.
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Anti-PELI2 Antibody Picoband® (ABIN7599796). Tested in ELISA, IF, IHC, ICC, WB, Flow Cytometry 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.

Product Details

Purification: Immunogen affinity purified.

Target Details

Target: PELI2

Alternative Name: PELI2 ([PELI2 Products](#))

Background: Synonyms: 70 kDa ribosomal protein S6 kinase 1 antibody, KS6B1_HUMAN antibody, p70 alpha antibody, P70 beta 1 antibody, p70 ribosomal S6 kinase alpha antibody, p70 ribosomal S6 kinase beta 1 antibody, p70 S6 kinase alpha antibody, P70 S6 Kinase antibody, p70 S6 kinase alpha 1 antibody, p70 S6 kinase alpha 2 antibody, p70 S6K antibody, p70 S6K-alpha antibody, p70 S6KA antibody, p70(S6K) alpha antibody, p70(S6K)-alpha antibody, p70-alpha antibody, p70-S6K 1 antibody, p70-S6K antibody, P70S6K antibody, P70S6K1 antibody, p70S6Kb antibody, PS6K antibody, Ribosomal protein S6 kinase 70 kDa polypeptide 1 antibody, Ribosomal protein S6 kinase beta 1 antibody, Ribosomal protein S6 kinase beta-1 antibody, Ribosomal protein S6 kinase I antibody, RPS6KB1 antibody, S6K antibody, S6K-beta-1 antibody, S6K1 antibody, Serine/threonine kinase 14 alpha antibody, Serine/threonine-protein kinase 14A antibody, STK14A antibody

Tissue Specificity: Expressed in all tissues.

Background: Protein pellino homolog 2 is a protein that in humans is encoded by the PELI2 gene. PELI2 is a E3 ubiquitin ligase catalyzing the covalent attachment of ubiquitin moieties onto substrate proteins. It is involved in the TLR and IL-1 signaling pathways via interaction with the complex containing IRAK kinases and TRAF6. It mediates IL1B-induced IRAK1 'Lys-63'-linked polyubiquitination and possibly 'Lys-48'-linked ubiquitination. It may be important for LPS- and IL1B-induced MAP3K7- dependent, but not MAP3K3-dependent, NF-kappa-B activation. And it can activate the MAP (mitogen activated protein) kinase pathway leading to activation of ELK1.

Molecular Weight: 50 kDa

Gene ID: 57161

Pathways: [Activation of Innate immune Response](#), [Toll-Like Receptors Cascades](#)

Application Details

Application Notes: Western blot, 0.25-0.5 µg/mL, Human, Mouse, Rat

Immunohistochemistry, 2-5 µg/mL, Human

Immunocytochemistry/Immunofluorescence, 5 µg/mL, Human

Application Details

	Flow Cytometry (Fixed), 1-3 µg/1x10 ⁶ cells, Human ELISA, 0.1-0.5 µg/mL, - 1. Jensen, L. E., Whitehead, A. S. Pellino2 activates the mitogen activated protein kinase pathway. FEBS Lett. 545: 199-202, 2003. 2. Kim, T. W., Yu, M., Zhou, H., Cui, W., Wang, J., DiCorleto, P., Fox, P., Xiao, H., Li, X. Pellino 2 is critical for Toll-like receptor/interleukin-1 receptor (TLR/IL-1R)-mediated post-transcriptional control. J. Biol. Chem. 287: 25686-25695, 2012. 3. Liu, Y., Dong, W., Chen, L., Xiang, R., Xiao, H., De. G., Wang, Z., Qi, Y. BCL10 mediates lipopolysaccharide/Toll-like receptor-4 signaling through interaction with Pellino2. J. Biol. Chem. 279: 37436-37444, 2004.
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Restrictions:	For Research Use only
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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.