Datasheet for ABIN7600192

anti-PAWR antibody (AA 160-255)

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Overview

Quantity:	100 µg
Target:	PAWR
Binding Specificity:	AA 160-255
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PAWR antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunocytochemistry (ICC), Flow Cytometry (FACS)

Product Details

Purpose:	Anti-PAWR Antibody Picoband®
Immunogen:	E.coli-derived human PAWR recombinant protein (Position: R160-D255). Human PAWR shares 82.3% and 81.2% amino acid (aa) sequence identity with mouse and rat PAWR, respectively.
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Anti-PAWR Antibody Picoband® (ABIN7600192). Tested in ELISA, IF, ICC, WB, Flow Cytometry 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.

Product Details

Purification:	Immunogen affinity purified.

Target Details

Target:	PAWR
Alternative Name:	PAWR (PAWR 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: PRKC apoptosis WT1 regulator protein, or Prostate apoptosis response-4, is a tumor-suppressor protein coded for in the human by the PAWR gene, that induces apoptosis in cancer cells, but not in normal cells. This gene encodes a tumor suppressor protein that selectively induces apoptosis in cancer cells through intracellular and extracellular mechanisms. The intracellular mechanism involves the inhibition of pro-survival pathways and the activation of Fas-mediated apoptosis, while the extracellular mechanism involves the binding of a secreted form of this protein to glucose regulated protein 78 (GRP78) on the cell surface, which leads to activation of the extrinsic apoptotic pathway. This gene is located on the unstable human chromosomal 12q21 region and is often deleted or mutated different tumors. The encoded protein also plays an important role in the progression of age-related diseases.
Molecular Weight:	41 kDa
Gene ID:	5074

Application Details

Application Notes:	Western blot, 0.1-0.25 µg/mL, Human

Application Details

	Immunocytochemistry/Immunofluorescence, 5 µg/mL, Human Flow Cytometry (Fixed), 1-3 µg /1x10^6 cells, Human ELISA, 0.1-0.5 µg/mL, - 1. Donninger, H., Hesson, L., Vos, M., Beebe, K., Gordon, L., Sidransky, D., Liu, J. W., Schlegel, T., Payne, S., Hartmann, A., Latif, F., Clark, G. J. The Ras effector RASSF2 controls the PAR-4 tumor suppressor. Molec. Cell. Biol. 30: 2608-2620, 2010. 2. Duan, W., Zhang, Z., Gash, D. M., Mattson, M. P. Participation of prostate apoptosis response-4 in degeneration of dopaminergic neurons in models of Parkinson's disease. Ann. Neurol. 46: 587-597, 1999. 3. Johnstone, R. W., See, R. H., Sells, S. F., Wang, J., Muthukkumar, S., Englert, C., Haber, D. A., Licht, J. D., Sugrue, S. P., Roberts, T., Rangnekar, V. M., Shi, Y. A novel repressor, par-4, modulates transcription and growth suppression functions of the Wilms' tumor suppressor WT1. Molec. Cell. Biol. 16: 6945-6956, 1996.
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.