

Datasheet for ABIN7599219
anti-PAK2 antibody (AA 1-288)



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Overview

Quantity:	100 µg
Target:	PAK2
Binding Specificity:	AA 1-288
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PAK2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF), Immunocytochemistry (ICC), Flow Cytometry (FACS)

Product Details

Purpose:	Anti-PAK2 Antibody Picoband®
Immunogen:	E.coli-derived human PAK2 recombinant protein (Position: M1-K288).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-PAK2 Antibody Picoband® (ABIN7599219). Tested in ELISA, Flow Cytometry, IF, IHC, ICC, WB 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.
Purification:	Immunogen affinity purified.

Target Details

Target:	PAK2
Alternative Name:	PAK2 (PAK2 Products)
Background:	Synonyms: Protein arginine N-methyltransferase 1, Histone-arginine N-methyltransferase PRMT1, Interferon receptor 1-bound protein 4, PRMT1, HMT2, HRMT1L2, IR1B4 Tissue Specificity: Widely expressed (PubMed:11097842). Expressed strongly in colorectal cancer cells (at protein level) (PubMed:28040436). Expressed strongly in colorectal cancer tissues compared to wild-type colon samples (at protein level) (PubMed:28040436). Expressed strongly in colorectal cancer tissues compared to wild-type colon samples (PubMed:28040436). Background: Serine/threonine-protein kinase PAK 2 is an enzyme that in humans is encoded by the PAK2 gene. The p21 activated kinases (PAK) are critical effectors that link Rho GTPases to cytoskeleton reorganization and nuclear signaling. The PAK proteins are a family of serine/threonine kinases that serve as targets for the small GTP binding proteins, CDC42 and RAC1, and have been implicated in a wide range of biological activities. The protein encoded by this gene is activated by proteolytic cleavage during caspase-mediated apoptosis, and may play a role in regulating the apoptotic events in the dying cell.
Molecular Weight:	58 kDa
Gene ID:	5062
UniProt:	Q13177
Pathways:	MAPK Signaling , RTK Signaling , TCR Signaling , Fc-epsilon Receptor Signaling Pathway , Regulation of Lipid Metabolism by PPARalpha

Application Details

Application Notes:	Western blot, 0.1-0.25 µg/mL, Human, Mouse, Rat Immunohistochemistry(Paraffin-embedded Section), 2-5 µg/mL, Human, Mouse, Rat Immunocytochemistry/Immunofluorescence, 5 µg/mL, Human Flow Cytometry (Fixed), 1-3 µg/1x10⁶ cells, Human ELISA, 0.1-0.5 µg/mL, - 1. Bokoch, G. M. Caspase-mediated activation of PAK2 during apoptosis: proteolytic kinase activation as a general mechanism of apoptotic signal transduction? Cell Death Diff. 5: 637-645, 1998. 2. Choi, J., Pease, D. R., Chen, S., Zhang, B., Phee, H. P21-activated kinase 2 is essential in maintenance of peripheral Foxp3+ regulatory T cells. Immunology 154: 309-321, 2018. 3. Eswaran, J., Soundararajan, M., Kumar, R., Knapp, S. UnPAKING the class differences among
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Application Details

	p21-activated kinases. Trends Biochem. Sci. 33: 394-403, 2008.
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.