Datasheet for ABIN360326

anti-PAK6 antibody (AA 131-146)

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Overview

Quantity:	0.4 mL
Target:	PAK6
Binding Specificity:	AA 131-146
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PAK6 antibody is un-conjugated
Application:	Western Blotting (WB), Immunoprecipitation (IP), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	This antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide selected from aa 131~146 of human PAK6.
Isotype:	Ig Fraction
Specificity:	This antibody reacts to PAK6.
Purification:	Protein G column, eluted with high and low pH buffers and neutralized immediately, followed by dialysis against PBS

Target Details

Target:	PAK6
Alternative Name:	PAK6 (PAK6 Products)

Target Details

Background:	The PAK6 protein shares a high degree of sequence similarity with p21-activated kinase (PAK) family members. The proteins of this family are Rac/Cdc42-associated Ste20-like Ser/Thr protein kinases, characterized by a highly conserved amino-terminal Cdc42/Rac interactive binding (CRIB) domain and a carboxyl-terminal kinase domain. PAK kinases are implicated in the regulation of a number of cellular processes, including cytoskeleton rearrangement, apoptosis and the MAP kinase signaling pathway. PAK6 was found to interact with androgen receptor (AR), which is a steroid hormone-dependent transcription factor that is important for male sexual differentiation and development. The p21-activated protein kinase 6 gene was found to be highly expressed in testis and prostate tissues and the encoded protein was shown to cotranslocate into the nucleus with AR in response to androgen.Synonyms: PAK-5, PAK-6, PAK5, Serine/threonine-protein kinase PAK 6, p21-activated kinase 6
Gene ID:	56924
NCBI Accession:	NP_001122100
UniProt:	Q9NQU5

Application Details

Application Notes:	ELISA: 1/1,000. Western blotting: 1/100 - 1/500. Immunoprecipitation: 1/100. Flow cytometry. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	PBS with 0.09 % (W/V) sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store the antibody undiluted at 2-8 °C for one month or (in aliquots) at-20 °C for longer.

Publications

Product cited in:

Wang, He, Meng, Liu, Pu, Ji: "A proteomics analysis of rat liver membrane skeletons: the investigation of actin- and cytokeratin-based protein components." in: **Journal of proteome research**, Vol. 9, Issue 1, pp. 22-9, (2010) (PubMed).

Liao, Wang, Chen, Wang, Wu: "Lipopolysaccharide-induced inhibition of connexin43 gap junction communication in astrocytes is mediated by downregulation of caveolin-3." in: **The international journal of biochemistry & cell biology**, Vol. 42, Issue 5, pp. 762-70, (2010) (PubMed).

Han, Yang, Yue, Huang, Liu, Pu, Jiang, Yan, Jiang, Kang: "Inactivation of PI3K/AKT signaling inhibits glioma cell growth through modulation of ?-catenin-mediated transcription." in: **Brain research**, Vol. 1366, pp. 9-17, (2010) (PubMed).

Images

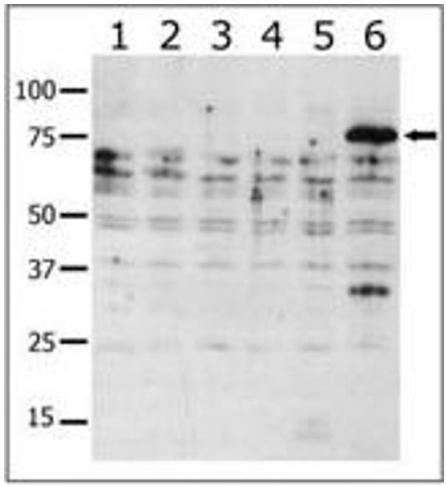

Image 1.