Datasheet for ABIN3043895

anti-PAK7 antibody (N-Term)

2 Images

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Overview

Quantity:	100 µg
Target:	PAK7
Binding Specificity:	AA 26-55, N-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PAK7 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Purpose:	Rabbit IgG polyclonal antibody for Serine/threonine-protein kinase PAK 7(PAK7) detection. Tested with WB, IHC-P in Human,Mouse,Rat.
Immunogen:	A synthetic peptide corresponding to a sequence at the N-terminus of human PAK5 (26-55aa DPQEQKFTGLPQQWHSLLADTANRPKPMVD), identical to the related mouse and rat sequences.
Sequence:	DPQEQKFTGL PQQWHSLLAD TANRPKPMVD
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Rabbit IgG polyclonal antibody for Serine/threonine-protein kinase PAK 7(PAK7) detection. Tested with WB, IHC-P in Human,Mouse,Rat. Gene Name: p21 protein (Cdc42/Rac)-activated kinase 7 Protein Name: Serine/threonine-protein kinase PAK 7

Product Details

Purification:	Immunogen affinity purified.

Target Details

Target:	PAK7
Alternative Name:	PAK7 (PAK7 Products)
Background:	Serine/threonine-protein kinase PAK 7, also known as PAK5, is an enzyme that in humans is encoded by the PAK7 gene. The protein encoded by this gene is a member of the PAK family of Ser/Thr protein kinases. PAK family members are known to be effectors of Rac/Cdc42 GTPases, which have been implicated in the regulation of cytoskeletal dynamics, proliferation, and cell survival signaling. This kinase contains a CDC42/Rac1 interactive binding (CRIB) motif, and has been shown to bind CDC42 in the presence of GTP. And this kinase is predominantly expressed in brain. It is capable of promoting neurite outgrowth, and thus may play a role in neurite development. In addition, this kinase is associated with microtubule networks and induces microtubule stabilization. The subcellular localization of this kinase is tightly regulated during cell cycle progression. Alternatively spliced transcript variants encoding the same protein have been described. Synonyms: EC 2.7.11.1 antibody|KIAA1264 antibody|MGC26232 antibody|p21 activated kinase 7 antibody|p21 protein (Cdc42/Rac)-activated kinase 7 antibody|p21(CDKN1A) activated kinase 7 antibody|p21-activated kinase 5 antibody|p21-activated kinase 7 antibody|PAK 5 antibody|PAK 7 antibody|PAK-5 antibody|PAK-7 antibody|PAK5 antibody|PAK7 antibody|PAK7_HUMAN antibody|Protein kinase PAK5 antibody|Serine/threonine protein kinase PAK 7 antibody|Serine/threonine-protein kinase PAK 7 antibody
Gene ID:	57144
UniProt:	Q9P286

Application Details

Application Notes:	WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human, Mouse, Rat IHC-P: Concentration: 0.5-1 µg/mL, Tested Species: Human, Epitope Retrieval by Heat: Boiling the paraffin sections in 10 mM citrate buffer, pH 6.0, for 20 mins is required for the staining of formalin/paraffin sections. Notes: Tested Species: Species with positive results. Other applications have not been tested. Optimal dilutions should be determined by end users.

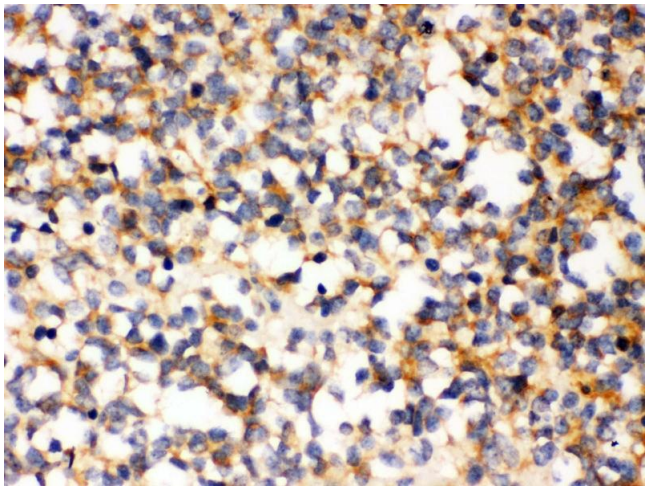
Application Details

Comment:	Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by ABIN921231 in IHC(P).
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.05 mg 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:	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.

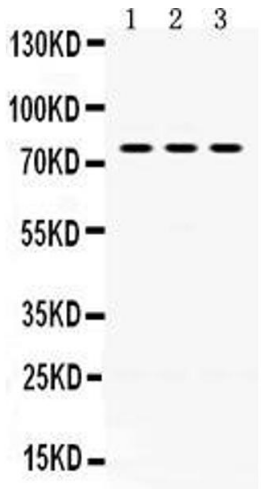
Images



Immunohistochemistry

Image 1. Anti- PAK5 Picoband antibody, IHC(P) IHC(P): Human Glioma Tissue

Images



Western Blotting

Image 2. Anti- PAK5 Picoband antibody, Western blottingAll lanes: Anti PAK5 at 0.5ug/ml Lane 1: Rat Brain Tissue Lysate at 50ug Lane 2: Mouse Brain Tissue Lysate at 50ug Lane 3: U87 Whole Cell Lysate at 40ug Predicted bind size: 81KD Observed bind size: 81KD