

Datasheet for ABIN7169128
anti-PAK3 antibody (AA 70-190)[Go to Product page](#)

3 Images

Overview

Quantity:	100 µg
Target:	PAK3
Binding Specificity:	AA 70-190
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PAK3 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant Human Serine/threonine-protein kinase PAK 3 protein (70-190AA)
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Purification:	>95%, Protein G purified

Target Details

Target:	PAK3
Alternative Name:	PAK3 (PAK3 Products)
Background:	Background: Serine/threonine protein kinase that plays a role in a variety of different signaling pathways including cytoskeleton regulation, cell migration, or cell cycle regulation. Plays a role

Target Details

in dendrite spine morphogenesis as well as synapse formation and plasticity. Acts as downstream effector of the small GTPases CDC42 and RAC1. Activation by the binding of active CDC42 and RAC1 results in a conformational change and a subsequent autophosphorylation on several serine and/or threonine residues. Phosphorylates MAPK4 and MAPK6 and activates the downstream target MAPKAPK5, a regulator of F-actin polymerization and cell migration. Additionally, phosphorylates TNNI3/troponin I to modulate calcium sensitivity and relaxation kinetics of thin myofilaments. May also be involved in early neuronal development.

Aliases: PAK3 antibody, OPHN3 antibody, Serine/threonine-protein kinase PAK 3 antibody, EC 2.7.11.1 antibody, Beta-PAK antibody, Oligophrenin-3 antibody, p21-activated kinase 3 antibody, PAK-3 antibody

UniProt: [O75914](#)

Application Details

Application Notes: Recommended dilution: WB:1:500-1:5000, IHC:1:20-1:200, IF:1:50-1:200,

Restrictions: For Research Use only

Handling

Format: Liquid

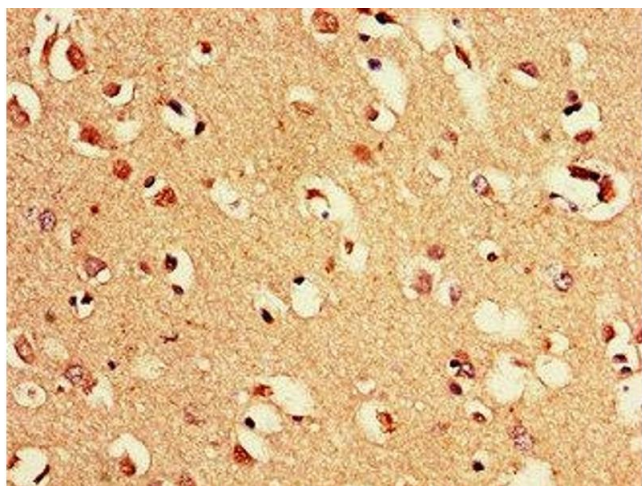
Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

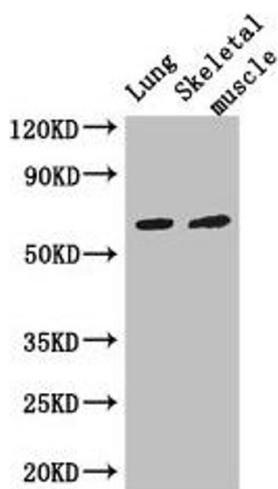
Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



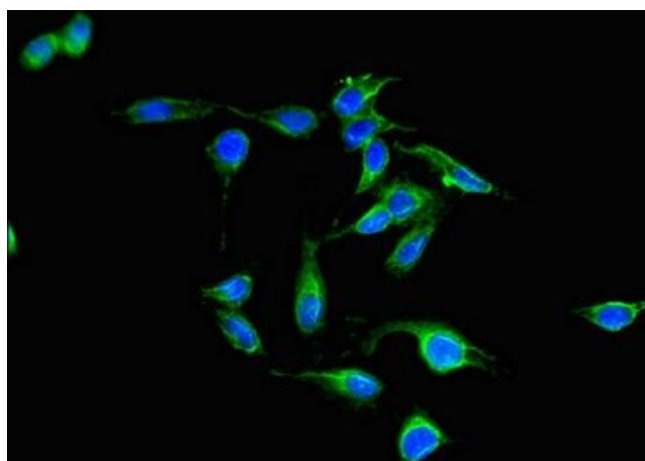
Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded human brain tissue using ABIN7169128 at dilution of 1:100



Western Blotting

Image 2. Western Blot Positive WB detected in: Mouse lung tissue, Mouse skeletal muscle tissue All lanes: PAK3 antibody at 3 µg/mL Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 63, 61, 65 kDa Observed band size: 63 kDa



Immunofluorescence

Image 3. Immunofluorescent analysis of HeLa cells using ABIN7169128 at dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)