

Datasheet for ABIN3032119
anti-PAK4 antibody (AA 156-187)[Go to Product page](#)

3 Images

Overview

Quantity:	0.4 mL
Target:	PAK4
Binding Specificity:	AA 156-187
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PAK4 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

Product Details

Immunogen:	A portion of amino acids 156-187 from the human protein was used as the immunogen for this PAK4 antibody.
Isotype:	Ig Fraction
Purification:	Purified

Target Details

Target:	PAK4
Alternative Name:	PAK4 (PAK4 Products)
Background:	PAK proteins are critical effectors that link Rho GTPases to cytoskeleton reorganization and nuclear signaling. PAK proteins, a family of serine/threonine p21-activating kinases, include PAK1, PAK2, PAK3, PAK4, PAK5, and PAK6. PAK proteins serve as targets for the small GTP

Target Details

binding proteins Cdc42 and Rac and have been implicated in a wide range of biological activities. PAK4 interacts specifically with the GTP-bound form of Cdc42Hs and weakly activates the JNK family of MAP kinases. PAK4 is a mediator of filopodia formation and may play a role in the reorganization of the actin cytoskeleton.

UniProt: [O96013](#)

Pathways: [RTK Signaling](#)

Application Details

Application Notes: Titration of the PAK4 antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. IHC (Paraffin): 1:10-1:50,Western blot: 1:1000

Restrictions: For Research Use only

Handling

Format: Liquid

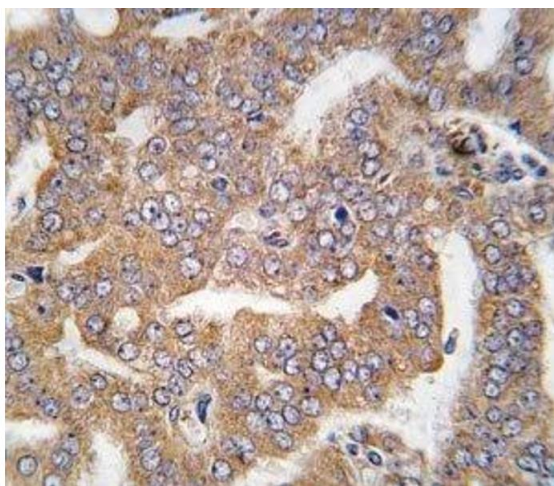
Buffer: In 1X PBS, pH 7.4, with 0.09 % sodium azide

Preservative: Sodium azide

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

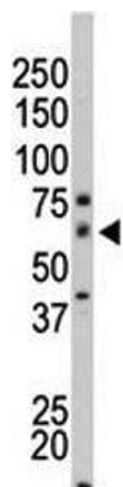
Storage: -20 °C

Storage Comment: Aliquot the PAK4 antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.



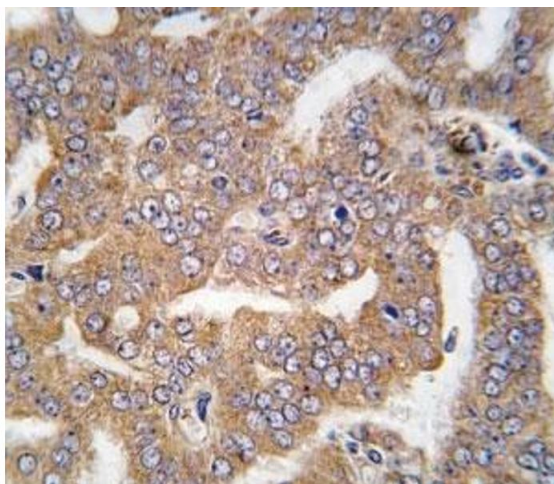
Immunohistochemistry

Image 1. IHC analysis of FFPE human prostate carcinoma tissue stained with PAK4 antibody



Western Blotting

Image 2. The PAK4 antibody used in western blot to detect PAK4 in mouse small intestine tissue lysate



Immunohistochemistry

Image 3. IHC analysis of FFPE human prostate carcinoma tissue stained with PAK4 antibody