PAK4 Polyclonal Antibody

catalog number: **E-AB-90284**

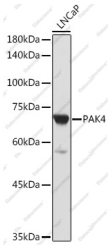
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

Reactivity	Human;Mouse
Immunogen	A synthetic peptide of human PAK4
Host	Rabbit
Isotype	Rabbit IgG
Purification	Affinity purification
Buffer	Phosphate buffered solution, pH 7.4, containing 0.05% stabilizer and 50% glycerol.

Applications	Recommended Dilution
WB	1:500-1:2000
IF	1:50-1:200

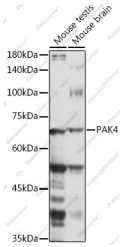
Data



Western blot analysis of extracts of LNCaP cells using PAK4 Polyclonal Antibody at 1:1000 dilution.

Observed-MW:70 kDa

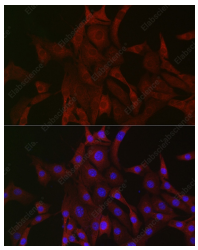
Calculated-MW:47 kDa/48 kDa/54 kDa/64 kDa



Western blot analysis of extracts of various cell lines using PAK4 Polyclonal Antibody at 1:1000 dilution.

Observed-MW:70 kDa

Calculated-MW:47 kDa/48 kDa/54 kDa/64 kDa



Immunofluorescence analysis of NIH/3T3 cells using PAK4 Polyclonal Antibody at dilution of 1:200 (40x lens). Blue: DAPI for nuclear staining.

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	The product is shipped with ice pack,upon receipt,store it immediately at the temperature recommended.

Background

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PAK proteins, a family of serine/threonine p21-activating kinases, include PAK1, PAK2, PAK3 and PAK4. PAK proteins are critical effectors that link Rho GTPases to cytoskeleton reorganization and nuclear signaling. They serve as targets for the small GTP 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. Multiple alternatively spliced transcript variants encoding distinct isoforms have been found for this gene.