

AbboMax, Inc

Innovation at Work

Rabbit anti PAK4 Polyclonal Antibody

Alternate Names: p21-activated kinase 4

ANTIGEN PREPARATION

A synthetic peptide derived from internal sequence of human PAK4. This sequence is also identical within human, rat, mouse, chicken, bovine and dog species.

BACKGROUND

p21-activated protein kinase (PAK) serine/threonine kinases are important effectors of Rho family GTPases and have been implicated in the regulation of cell morphology and motility, as well as in cell transformation. The phosphorylation of serine 474 as the likely autophosphorylation site in the kinase domain of PAK4 occurs *in vivo*. PAK4 is frequently over-expressed in human tumor cell lines of various tissue origins, indicates that the phosphorylation of PAK4 is required in oncogenic transformation and Ras-driven, anchorage-independent growth.

PURIFICATION

The Rabbit IgG is purified by Epitope Affinity Purification.

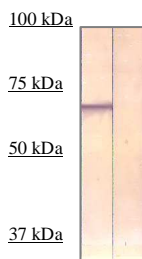
SPECIFICITY

This antibody recognizes PAK4 protein. It does not cross react to other PAK1, PAK2 or PAK3. This antibody reacts with human, rat and mouse. The other species are not tested.

APPLICATIONS/SUGGESTED WORKING DILUTIONS

Western Blot	0.1-1 µg/ml
ELISA	0.01-0.1 µg/ml
Immunoprecipitation	2-5 µg/ml
IHC	Not tested µg/ml
Flow cytometry	Not tested

DATA ATTACHMENTS



WB: The cell lysate derived from HEK293 cells was immunoprobed by Rabbit anti-PAK4 (Cat#600-040) at 1:500. An immunoreactive band is observed around ~68kDa (lane 1). This band is blocked by pre-incubation with immunizing peptide (Lane 2)

REFERENCES:

Marinella G. Callow et al. Requirement for PAK4 in the Anchorage-independent Growth of Human Cancer Cell Lines. (2002) J. Biol. Chem. 277 (1), 550–558.

Order Information

Description: Rabbit anti PAK4
Catalogue#: 600-040
Lot#: See the label
Size: 100 µg/200 ul
Host: Rabbit
Clone: N/A
Application: ELISA, WB, IP
Reactivity: Hu/Rt/Ms, Bv, Ck, Dg

FOR RESEARCH USE ONLY.

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