

Rabbit PAK4 (pS474) Antibody | anti-PAK4 (pS474) antibody

Rabbit anti Phospho-PAK4 (pSer474)

CATALOG # AAA71400	HOST Rabbit	REACTIVITY Human, Rat, Mouse, Bovine, Chicken, Canine	APPLICATIONS Immunoprecipitation, Western Blot, ELISA
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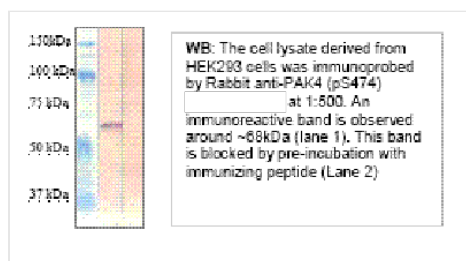
PRODUCT SYNONYMS

PAK4 (pS474); Rabbit anti Phospho-PAK4 (pSer474); Rabbit anti-PAK4 (pS474); p21-activated kinase 4; anti-PAK4 (pS474) antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Rat, Mouse, Bovine, Chicken, Canine
Specificity	This antibody recognizes the phosphorylated peptide only. It recognizes PAK4 protein at a phosphorylation site of Serine 474 (~68kDa), or serine 602 of PAK5 (~90kDa) or Serine 560 of PAK6 (~80 kDa). 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.
Purity/Purification	The Rabbit IgG is purified by phosphospecific-Epitope Affinity Purification.
Form/Format	This affinity purified antibody is supplied in sterile Phosphate-buffered saline (pH7.2) containing antibody stabilizer
Concentration	Size: 100 ug/200 ul (varies by lot)
Applicable Applications for anti-PAK4 (pS474) antibody	IP (Immunoprecipitation), WB (Western Blot), ELISA
Antigen Preparation	A synthetic peptide surrounding the epitope RKSLV-with a phosphorylation at Serine 474 of human PAK4. This sequence is also identical within human, rat, mouse, chicken, bovine and dog species.
Positive Control	HEK293
Preparation and Storage	The antibodies are stable for 12 months from date of receipt when stored at -20 degree C to -70 degree C. The antibodies can be stored at 2 degree C-8 degree C for three month without detectable loss of activity. Avoid repeated freezing-thawing cycles.

IMAGES



Application Data

ADDITIONAL INFORMATION

Related Product Information for anti-PAK4 (pS474) antibody

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.

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.

NCBI AND UNIPROT INFORMATION

Molecular Weight

68 kDa

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/rabbit-bovine-canine-chicken-human-mouse-ovine-rat-antibody/pak4-ps474/71400>