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Mouse Monoclonal Antibody to

PAK4

clone 6C1

Order No.: **0252-100/PAK4-6C1**

Size (µg) 100

Lot No.: 0252S

01/300307F

Isotype	Species Reactivity	Applications	Mol. Weight	Ref.Cell Line	Epitope	Immunogen
IgG1	human, mouse, rat, dog	WB	60 kDa	SW480	peptide derived from the kinase activation loop	peptide conjugated to hemocyanin

Background and Specificity:

p21 activated kinases (PAK) are regulated by th small GTP - binding proteins Rac and cdc42, which stimulate autophosphorylation and phosphorylation of downstream signaling proteins. PAK4 is activated upon autophosphorylation of Ser 474 in the kinase activation loop. PAK4 is frequently overexpressed in human tumor cell lines and might play an important role in oncogenesis.

Related Products

Purification: The antibody was purified from serum-free cell culture supernatant by subsequent ultrafiltration and size exclusion chromatography.

Formulation: lyophilized from 1 ml PBS / 0.09 % Na-azide / PEG and Sucrose

Reconstitution: Reconstitute with 1 ml H2O (15 min, RT).

Stability: For long-term storage, freeze lyophilizate upon arrival (-20°C). Upon reconstitution, aliquote and freeze in liquid nitrogen; reconstituted antibody can be stored frozen at -80°C up to 1 year. Thaw aliquots at 37°C. Thawed aliquots may be stored at 4°C up to 3 months.

Avoid repeated freeze / thaw cycles.

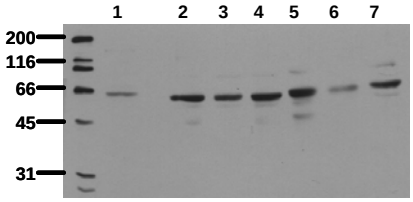
Positive Control: #0801: Cell lysate from untreated SW480 cells.

Immunoblotting: 0.5 µg/ml for HRPO/ECL detection
Recommended blocking buffer: Casein/Tween 20 based blocking and blot incubation buffer, e.g. nanoTools product #3031-500/CPPT or #3031-3000/CPPT.

Immunoprecipitation: ND

Immunocytochemistry: ND

ELISA: ND



Detection of endogenous PAK4
Whole cell lysates of serum starved tumor cells (20.000 cells per lane) were applied to SDS-PAGE and transferred to PVDF membranes. Immunoblots were probed with mab PAK4 - 6C1 (0.5 µg/ ml) for 1h at RT and developed by ECL (exp. time: 30 sec).
lane 1: A431; lane 2:SW480; lane 3: SW620; lane 4: HT29; lane 5: MCF7; lane 6: MDA-MB-231; lane 7: T47D