

Goat anti-PAK1 Antibody

Item Number	dAP-0924
Target Molecule	Principle Name: PAK1; Official Symbol: PAK1; All Names and Symbols: PAK1; p21/Cdc42/Rac1-activated kinase 1 (STE20 homolog, yeast) ; MGC130000; MGC130001; PAKalpha ; p21-activated kinase 1; p21/Cdc42/Rac1-activated kinase 1 (yeast Ste20-related) ; Accession Number (s): NP_002567.3; Human Gene ID(s): 5058; Non-Human GeneID(s): 18479 (mouse) 29431 (rat)
Immunogen	NTEKQKKKPKMSDE, is from internal region No cross-reactivity expected with PAK3
Applications	Pep ELISA, WB Species Tested: Human, Mouse, Rat
Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Supplied As	lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.
Peptide ELISA	Peptide ELISA: antibody detection limit dilution 1 to 1000.
Western Blot	Western Blot: Approx 65kDa band observed in Human Brain (Cerebral Cortex and Hippocampus) lysates (calculated MW of 60.6kDa according to NP_002567.3). Recommended concentration: 0.5-1.5µg/ml.
IHC	

Reference	Reference(s): Zhao L, Ma QL, Calon F, Harris-White ME, Yang F, Lim GP, Morihara T, Ubada OJ, Ambe-gaokar S, Hansen JE, Weisbart RH, Teter B, Frautschy SA, Cole GM. Role of p21-activated kinase path-way defects in the cognitive deficits of Alzheimer disease. Nat Neurosci. 2006 Feb;9(2):234-42. Epub 2006
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Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**