

Rabbit anti-Human, mouse Pak4 Polyclonal Antibody | anti-Pak4 antibody

Mouse Pak4 Antibody (Center)

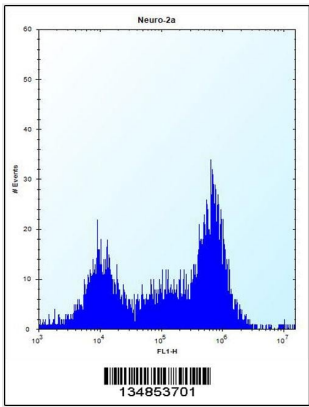
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA290096	Rabbit	Human, mouse	Flow Cytometry, Functional Assay, ELISA, Western Blot

PRODUCT SYNONYMS

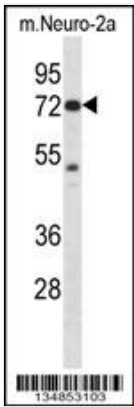
Pak4; Polyclonal Antibody; Mouse Pak4 Antibody (Center); Serine/threonine-protein kinase PAK 4; p21-activated kinase 4; PAK-4; Kiaa1142; anti-Pak4 antibody

PRODUCT SPECIFICATIONS

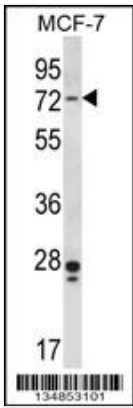
Host	Rabbit
Reactivity	Human, mouse
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This Mouse Pak4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 187-216 amino acids from the Central region of mouse Pak4.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	187-216
Sequence Length	593
Applicable Applications for anti-Pak4 antibody	FCM/FACS (Flow Cytometry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	MOUSE
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



FCM/FACS (Flow Cytometry)
Mouse Pak4 Antibody (Center) flow cytometric analysis of Neuro-2a cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated donkey-anti-rabbit secondary antibodies were used for the analysis.



WB (Western Blot)
Mouse Pak4 Antibody (Center) western blot analysis in Neuro-2a cell line lysates (35ug/lane).This demonstrates the Pak4 antibody detected the Pak4 protein (arrow).



WB (Western Blot)
Mouse Pak4 Antibody (Center) western blot analysis in MCF-7 cell line lysates (35ug/lane).This demonstrates the Pak4 antibody detected the Pak4 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-Pak4 antibody	Pak4 activates the JNK pathway. Plays a role in the reorganization of the actin cytoskeleton and in the formation of filopodia. Phosphorylates and inactivates the protein phosphatase SSH1, leading to increased inhibitory phosphorylation of the actin binding/depolymerizing factor cofilin. Decreased cofilin activity may lead to stabilization of actin filaments. Phosphorylates ARHGEF2 (By similarity).
Product Categories/Family for anti-Pak4 antibody	Cancer; Cell Biology; Signal transduction
References	Liu, Y., et al. Oncogene 29(44):5883-5894(2010) Tian, Y., et al. Mech. Dev. 126 (8-9), 710-720 (2009) : Ha, U.H., et al. J. Biol. Chem. 283(45):30624-30631(2008) Liu, Y., et al. Mol. Cancer Res. 6(7):1215-1224(2008) Danzer, K.M., et al. J. Neurochem. 103(6):2401-2407(2007)

NCBI AND UNIPROT INFORMATION

NCBI GI #	29336032
NCBI GeneID	70584
NCBI Accession #	NP_081746.1
NCBI GenBank Nucleotide #	NM_027470.3

UniProt Accession #	Q8BTW9 ; Q6ZPX0 ; Q80Z97 ; Q9CS71
Molecular Weight	64623
NCBI Official Full Name	serine/threonine-protein kinase PAK 4
NCBI Official Synonym Full Names	p21 protein (Cdc42/Rac)-activated kinase 4
NCBI Official Symbol	Pak4
NCBI Official Synonym Symbols	AW555722; mKIAA1142; 5730488L07Rik
NCBI Protein Information	serine/threonine-protein kinase PAK 4
UniProt Protein Name	Serine/threonine-protein kinase PAK 4
UniProt Gene Name	Pak4
UniProt Synonym Gene Names	Kiaa1142; PAK-4
UniProt Entry Name	PAK4_MOUSE

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/polyclonal/pak4-antibody-flow-cytometry-western-blot-elisa/290096>