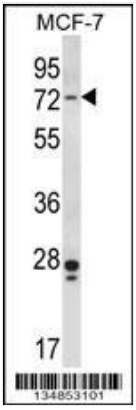
PAK4 Antibody – Rabbit Polyclonal

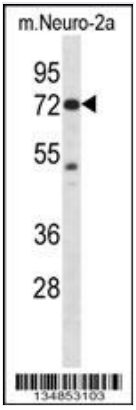
PRODUCT OVERVIEW

Product Name	Pak4, Polyclonal Antibody
Full Product Name	Pak4, ID (Pak4, Kiaa1142, Serine/threonine-protein kinase PAK 4, p21-activated kinase 4) (Azide free) (HRP)
Product Gene Name	anti-Pak4 antibody
Product Synonym Names	Pak4; Kiaa1142; Serine/threonine-protein kinase PAK 4; p21-activated kinase 4
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Horseradish Peroxidase (HRP).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Note: Sodium azide is a potent inhibitor of peroxidase and should not be added to HRP conjugates. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	64,623 Da
3D Structure	ModBase 3D Structure for Q8BTW9
Immunogen	Mouse Pak4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 186-206 amino acids from the Central region of Mouse Pak4.
Conjugate	HRP
Note	Preservative Free
Product Categories/Family for anti-Pak4 antibody	Antibodies; Protein Kinases
Applications Tested/Suitable for anti-Pak4 antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-Pak4 antibody	WB: 1:100-500 ELISA: 1:1,000 Applications are based on unconjugated antibody.
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 References and Citations for anti-Pak4 antibody	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).
Other Notes	Small volumes of anti-Pak4 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

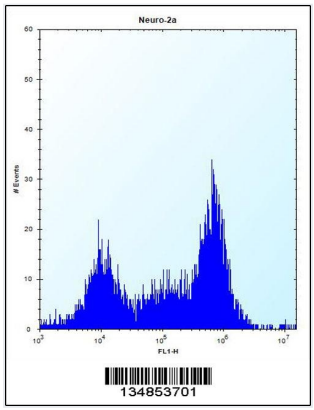
Searchable Terms for Pak4 purchase	MBS6330575 is an antibody targeting Pak4. Also known as Pak4, ID (Pak4, Kiaa1142, Serine/threonine-protein kinase PAK 4, p21-activated kinase 4) (Azide free) (HRP). Reactive in Human, Mouse. Host: Rabbit.



Western Blot (WB) of anti-Pak4 antibody
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).



Western Blot (WB) of anti-Pak4 antibody
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).



Flow Cytometry (FC/FACS) of anti-Pak4 antibody
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.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for Pak4. It may not necessarily be applicable to this product.

NCBI GI #	29336032
NCBI GeneID	70584
NCBI Accession #	NP_081746.1
UniProt Primary Accession #	Q8BTW9
UniProt Secondary Accession #	Q6ZPX0; Q80Z97; Q9CS71
UniProt Related Accession #	Q8BTW9
GenBank Nucleotide #	NM_027470.3
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
UniProt Protein Name	Serine/threonine-protein kinase PAK 4

UniProt Synonym Protein Names	p21-activated kinase 4; PAK-4
Protein Family	Serine/threonine-protein kinase
UniProt Gene Name	Pak4
UniProt Synonym Gene Names	Kiaa1142; PAK-4
UniProt Entry Name	PAK4_MOUSE
NCBI Protein Information	serine/threonine-protein kinase PAK 4; PAK-4; p21-activated kinase 4
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

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