

Basic Information

Product Name	Anti-PAK1/2/3 (Phospho-S144+S141+S139) Antibody (Clone#CFF-16)	
Gene Name	PAK1/PAK2/PAK3	
Source	Rabbit	
Clonality	Monoclonal	
Isotype	IgG	
Species Reactivity	human, mouse, rat	
Tested Application	WB, IHC, ICC/IF, IP, FCM	
Contents	500 ug/ml; Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide, 0.4-0.5 mg/ml BSA and 50% glycerol.	
Immunogen	A synthesized peptide derived from human Phospho-PAK1/2/3 (S144+S141+S139)	
Concentration	500 ug/ml	
Purification	Affinity-chromatography	
Observed MW	65 kDa	
Dilution Ratios	Western blot (WB):	1:1000-5000
	Immunohistochemistry (IHC):	1:50-200
	Immunocytochemistry/Immunofluorescence (ICC/IF):	1:50-200
	ImmunoPrecipitation (IP):	1:20
	Flow Cytometry (FCM):	1:20

Storage

12 months from date of receipt, -20°C as supplied.

Background Information

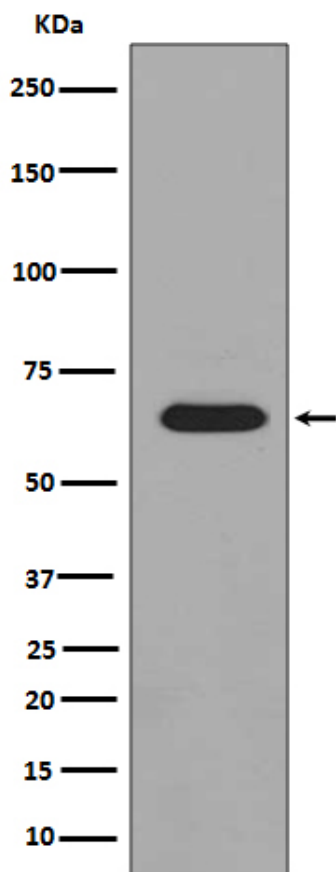
Serine/threonine-protein kinase PAK 3 is an enzyme that in humans is encoded by the PAK3 gene. PAK proteins are critical effectors that link Rho GTPases to cytoskeleton reorganization and nuclear signaling. PAK proteins, a family of serine/threonine p21-activating kinases, serve as targets for the small GTP binding proteins Cdc42 and RAC and have been implicated in a wide range of biological activities. The protein encoded by this gene forms an activated complex with GTP-bound RAS-like (P21), CDC2 and RAC1 proteins which then catalyzes a variety of targets. This protein may be necessary for dendritic development and for the rapid cytoskeletal reorganization in dendritic spines associated with synaptic plasticity. Defects in this gene are the cause of non-syndromic mental retardation X-linked type 30 (MRX30),

also called X-linked mental retardation type 47 (MRX47). Alternatively spliced transcript variants encoding different isoforms have been identified.

Reference

Anti-PAK1/2/3 (Phospho-S144+S141+S139) Antibody (Clone#CFF-16)被引用在1文献中。

Selected Validation Data



Western blot analysis of Phospho-PAK1/2/3 expression in HeLa Cell lysate treated with lambda phosphatase.

Product datasheet

Anti-PAK1/2/3 (Phospho-S144+S141+S139) Antibody (Clone#CFF-16)

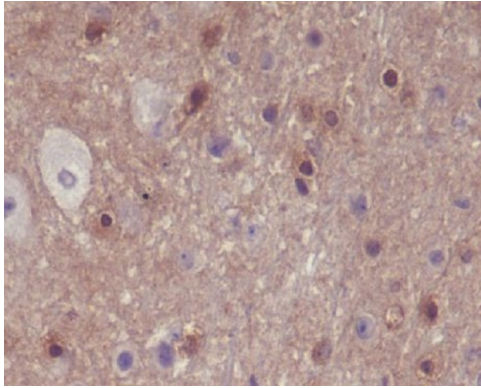
Catalog Number: BM4224

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BOSTER BIOLOGICAL TECHNOLOGY

Building C21, 3rd to 5th Floors, Optics Valley Biopharmaceutical Accelerator,
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Immunohistochemical analysis of paraffin-embedded mouse brain,
using Phospho-PAK1/2/3 (S144+S141+S139) Antibody.