Datasheet for ABIN2464093

anti-MAPKAP Kinase 5 antibody (truncated)

2 Images

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Overview

Quantity:	0.1 mL
Target:	MAPKAP Kinase 5 (MAPKAPK5)
Binding Specificity:	truncated
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This MAPKAP Kinase 5 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

Product Details

Immunogen:	Ni-NTA purified truncated recombinant PRAK-His expressed in E. Coli strain BL21 (DE3).
Clone:	7H10B4
Isotype:	IgG1

Target Details

Target:	MAPKAP Kinase 5 (MAPKAPK5)
Alternative Name:	PRAK (MAPKAPK5 Products)
Background:	PRAK (p38-regulated /activated kinase), also referred to as mitogen-activated protein kinase (MAPK)-activated protein kinase (MAPKAPK)-5, is an ubiquitously expressed serine/threonine kinase regulated by p38alpha and p38beta MAP kinases. Activated JNK, p38? or p38? are unable to induce phosphorylation of PRAK in vitro. Phosphorylation of PRAK occurs in vivo in

Target Details

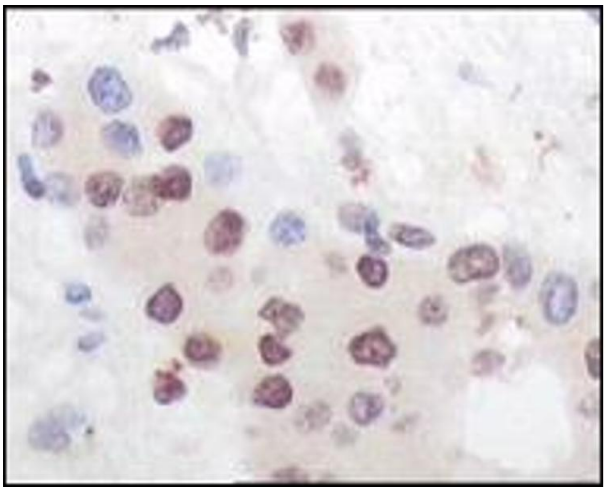
	response to p38 activation by stress-related extracellular stimuli including UV light, oxidation and proinflammatory cytokines. Two other substrates for p38, MAPKAPK-2 and MAPKAPK-3/3pK, share approximately 45â€¯% sequence homology with PRAK including the phosphorylation motif recognized by p38, Lys-X-Thr-Pro. Activated PRAK has been shown to specifically phosphorylate HSP 27 in vitro, suggesting that the protein may play a role in stress-induced small heat shock protein phosphorylation in vivo.
Gene ID:	8550
UniProt:	Q8IW41
Pathways:	MAPK Signaling

Application Details

Application Notes:	Western Blot:1:500 - 1:2,000 IHC(P):1:500 - 1:2,000 ELISA:Propose dilution 1:10,000. Determining optimal working dilutions by titration test.
Restrictions:	For Research Use only

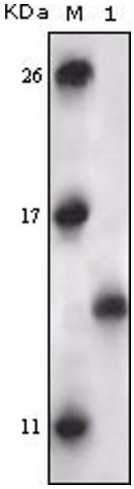
Handling

Format:	Liquid
Buffer:	Ascitic fluid containing 0.03 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Storage:	-20 °C
Storage Comment:	PRAK monoclonal antibody can be stored at -20 °C, stable for one year.



Immunohistochemistry

Image 1.



Western Blotting

Image 2.

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