

Datasheet for ABIN2464093

## anti-MAPKAP Kinase 5 antibody (truncated)



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### 2 Images

#### 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 ( <a href="#">MAPKAPK5 Products</a> )
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 45% 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.

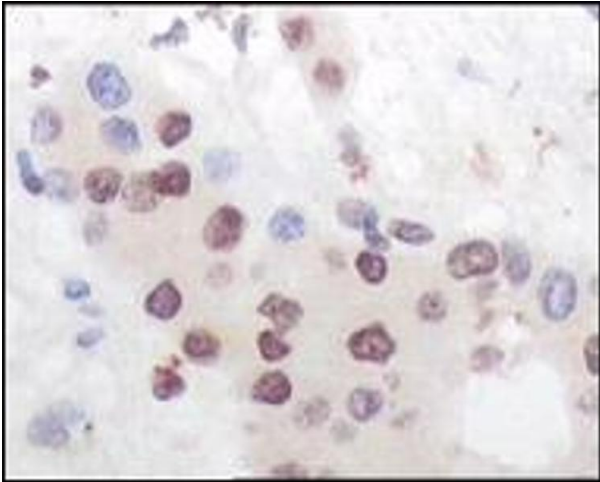
Preservative: Sodium azide

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.

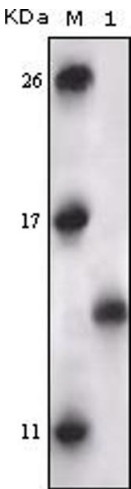
Storage: -20 °C

Storage Comment: PRAK monoclonal antibody can be stored at -20 °C, stable for one year.



Immunohistochemistry

Image 1.



Western Blotting

Image 2.