



## PRAK Polyclonal Antibody

Catalog No	BYab-14959
Isotype	lgG
Reactivity	Human;Mouse
Applications	WB;IHC
Gene Name	MAPKAPK5
Protein Name	MAP kinase-activated protein kinase 5
Immunogen	The antiserum was produced against synthesized peptide derived from human MAPKAPK5. AA range:148-197
Specificity	PRAK Polyclonal Antibody detects endogenous levels of PRAK protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000;IHC-p 1:50-300
Concentration	1 mg/ml
Purity	≥90%
	$20^{\circ}C/1$ year
Storage Stability	-20°C/1 year
Storage Stability	-20 C/T year MAPKAPK5; PRAK; MAP kinase-activated protein kinase 5; MAPK-activated protein kinase 5; MAPKAP kinase 5; MAPKAP-K5; MAPKAPK-5; MK-5; MK5; p38-regulated/activated protein kinase; PRAK
	MAPKAPK5; PRAK; MAP kinase-activated protein kinase 5; MAPK-activated protein kinase 5; MAPKAP kinase 5; MAPKAP-K5; MAPKAPK-5; MK5;
Synonyms	MAPKAPK5; PRAK; MAP kinase-activated protein kinase 5; MAPK-activated protein kinase 5; MAPKAP kinase 5; MAPKAP-K5; MAPKAPK-5; MK-5; MK5; p38-regulated/activated protein kinase; PRAK
Synonyms Observed Band	<ul> <li>MAPKAPK5; PRAK; MAP kinase-activated protein kinase 5; MAPK-activated protein kinase 5; MAPKAP kinase 5; MAPKAP-K5; MAPKAPK-5; MK-5; MK5; p38-regulated/activated protein kinase; PRAK</li> <li>60kD</li> <li>Cytoplasm. Nucleus. Translocates to the cytoplasm following phosphorylation and activation. Interaction with ERK3/MAPK6 or ERK4/MAPK4 and phosphorylation at Thr-182, activates the protein kinase activity, followed by translocation to the cytoplasm. Phosphorylation by PKA/PRKACA at Ser-115 also induces nuclear</li> </ul>
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网址: www.njbybio.com 官方热线: 025-5229-8998 监督电话: 15950492658

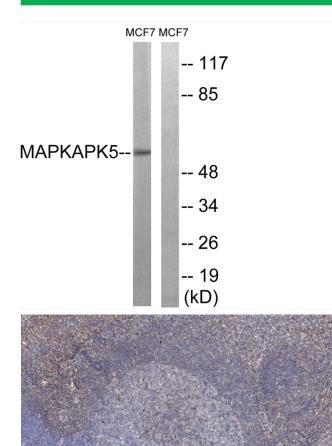
	国内优质抗体供应商 精准的 WB 检测服务 24H 在线服务,欢迎咨询
	which is the regulatory phosphorylation site and is located on the T-loop/loop 12.,similarity:Belongs to the protein kinase superfamily. CAMK Ser/Thr protein kinase family.,similarity:Contains 1 protein kinase domain.,subcellular location:Also observed in the nucleus.,subunit:Interacts with SQSTM1.,tissue specificity:Expressed ubiquitously.,
Background	The protein encoded by this gene is a tumor suppressor and member of the serine/threonine kinase family. In response to cellular stress and proinflammatory cytokines, this kinase is activated through its phosphorylation by MAP kinases including MAPK1/ERK, MAPK14/p38-alpha, and MAPK11/p38-beta. The encoded protein is found in the nucleus but translocates to the cytoplasm upon phosphorylation and activation. This kinase phosphorylates heat shock protein HSP27 at its physiologically relevant sites. Two alternately spliced transcript variants of this gene encoding distinct isoforms have been reported. [provided by RefSeq, Nov 2012],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



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## **Products Images**



Western blot analysis of lysates from MCF-7 cells, using MAPKAPK5 Antibody. The lane on the right is blocked with the synthesized peptide.

Immunohistochemical analysis of paraffin-embedded human tonsil. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).

Nanjing BYabscience technology Co.,Ltd