

Mouse anti-Human PRAK Antibody | anti-PRAK antibody

PRAK Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA108528	Mouse	Human	ELISA, Immunohistochemistry, Western Blot

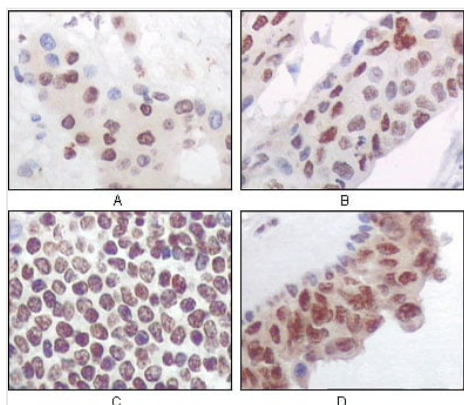
PRODUCT SYNONYMS

PRAK; PRAK Antibody; MAPKAPK5; anti-PRAK antibody

PRODUCT SPECIFICATIONS

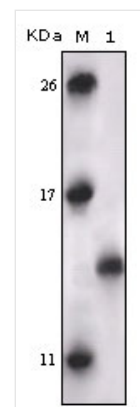
Host	Mouse
Reactivity	Human
Isotype	IgG1
Clone Number	7H10B4
Form/Format	Ascitic fluid containing 0.03% sodium azide.
Sequence Length	471
Applicable Applications for anti-PRAK antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Purified recombinant fragment of PRAK expressed in E. Coli.
Preparation and Storage	Store at 4 degree C, for long term storage, store at -20 degree C

IMAGES



IHC (Immunohistochemistry)

Figure 2. Immunohistochemical analysis of paraffin-embedded human liver carcinoma (A), esophagus carcinoma (B), normal spleen tissue (C), breast carcinoma (D), showing nuclear and cytoplasmic localization using PRAK mouse mAb with DAB staining.



WB (Western Blot)

Figure 1. Western blot analysis using PRAK mouse mAb against truncated PRAK recombinant protein.

ADDITIONAL INFORMATION

Related Product Information for anti-PRAK antibody	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 gamma or p38delta are unable to induce phosphorylation of PRAK in vitro. Phosphorylation of PRAK occurs in vivo in 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.
Product Categories/Family for anti-PRAK antibody	Autophagy antibody ; Cancer ; Cardiovascular ; Cell Biology ; Epigenetics & Nuclear Signaling ; Developmental Biologys ; Immunology ; Drug Discovery Products ; Metabolism ; Neuroscience ; Signal Transduction ; Stem Cells

NCBI AND UNIPROT INFORMATION

NCBI GI #	21237765
NCBI GeneID	8550
NCBI Accession #	NP_003659.2
NCBI GenBank Nucleotide #	NM_003668.3
UniProt Accession #	Q8IW41; O60491; Q86X46; Q9BVX9; Q9UG86; B3KVA5
Molecular Weight	54,035 Da
NCBI Official Full Name	MAP kinase-activated protein kinase 5 isoform 1
NCBI Official Synonym Full Names	mitogen-activated protein kinase-activated protein kinase 5
NCBI Official Symbol	MAPKAPK5
NCBI Official Synonym Symbols	MK5; MK-5; PRAK; MAPKAP-K5
NCBI Protein Information	MAP kinase-activated protein kinase 5
UniProt Protein Name	MAP kinase-activated protein kinase 5
UniProt Gene Name	MAPKAPK5
UniProt Synonym Gene Names	PRAK; MAPK-activated protein kinase 5; MAPKAP kinase 5; MAPKAP-K5; MAPKAPK-5; MK-5; MK5; PRAK

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.