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Anti-PAK1 Rabbit mAb [44A52]

Catalog No.: A52261

Basic Information

Catalog No. (Cat.No.)	A52261
Host species	Rabbit
Reactivity	Human,Mouse,Rat
Applications	WB,IHC,IP,IF,ELISA
Synonyms	PAK1,p21-activated kinase 1,PAK-1,STE20-related kinase

Product Information

Target	PAK1
Molecular Weight(Calculated)	61 kDa
Molecular Weight(Observed)	61 kDa
Isotype	IgG,Kappa
Conjugation	NA
Concentration	0.2 mg/ml
Clonality	Monoclonal
Clone No.	44A52
RRID	NA
Storage buffer	50% Glycerol, 0.05% BSA and 0.05% preservative in PBS (pH 7.2-7.4)
Storage	Stored at -20°C for 1 year. Avoid repeated freeze / thaw cycles.
Shipped at conditions	Frozen
Form	Liquid

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Product Usage Information

Application	Dilution
WB	1:1000-1:5000
IHC	1:200-1:1000
IP	1:50-1:200
IF	1:200-1:1000
ELISA	1:5000-1:20000

Target Information

Protein Name	p21-activated kinase-1
Gene Name	*PAK1*
Domain	NA
Background	PAK1 (p21-activated kinase 1) belongs to p21-activated serine-threonine kinase family, acting downstream of Rac/Cdc42 to orchestrate cytoskeleton remodeling, cell migration and proliferation. Autoinhibited PAK1 is relieved upon binding GTP-loaded Rac1 or Cdc42. Activated PAK1 phosphorylates downstream substrates to modulate actin assembly, promoting lamellipodia and filopodia formation, cell motility and adhesion turnover. It also crosstalks with MAPK and AKT cascades to regulate cell-cycle progression and survival. PAK1 overexpression and hyper-activation are observed in multiple human cancers and potentiate invasion and metastasis.