

## Product datasheet for **TA384925M**

### PAK2 Mouse Monoclonal Antibody [Clone ID: 7H3-E2-F5]

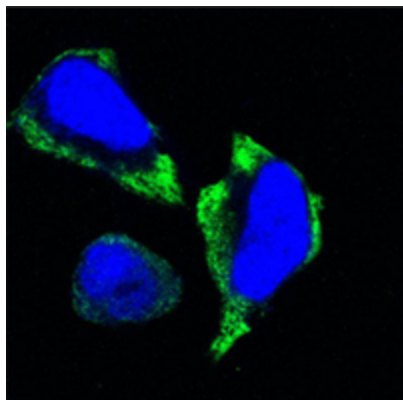
#### Product data:

Product Type:	Primary Antibodies
Clone Name:	7H3-E2-F5
Applications:	IF, IHC, WB
Recommended Dilution:	WB: 1/500-1/2000 IHC: 1/200-1/1000 ICC: 1/200-1/1000
Reactivity:	Human, Monkey
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Purified recombinant fragment of PAK2 expressed in E. Coli.
Formulation:	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.03% Proclin 300, pH 7.3.
Concentration:	lot specific
Purification:	Ascitic Fluid
Conjugation:	Unconjugated
Storage:	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Stability:	1 year
Predicted Protein Size:	61kDa
Gene Name:	p21 (RAC1) activated kinase 2
Database Link:	<a href="#">Entrez Gene 5062 Human Q13177</a>
Background:	Swiss-Prot Acc.Q13177.PAK2, also known as P21 (CDKN1A)-activated kinase 2. The p21 activated kinases (PAK) are critical effectors that link Rho GTPases to cytoskeleton reorganization and nuclear signaling. The PAK proteins are a family of serine/threonine kinases that serve as targets for the small GTP binding proteins, CDC42 and RAC1, and have been implicated in a wide range of biological activities. PAK2 is activated by proteolytic cleavage during caspase-mediated apoptosis, and may play a role in regulating the apoptotic events in the dying cell. PAK2 has been shown to interact with SH3KBP1, CDC42 and Abl gene.

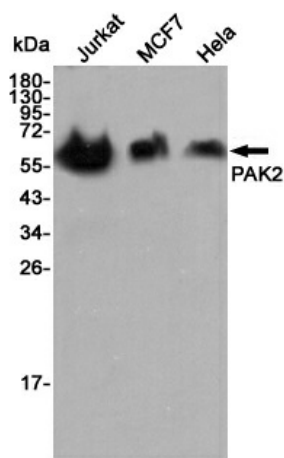

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**Synonyms:** Gamma-PAK; p58; PAK-2; PAK65; PAKgamma

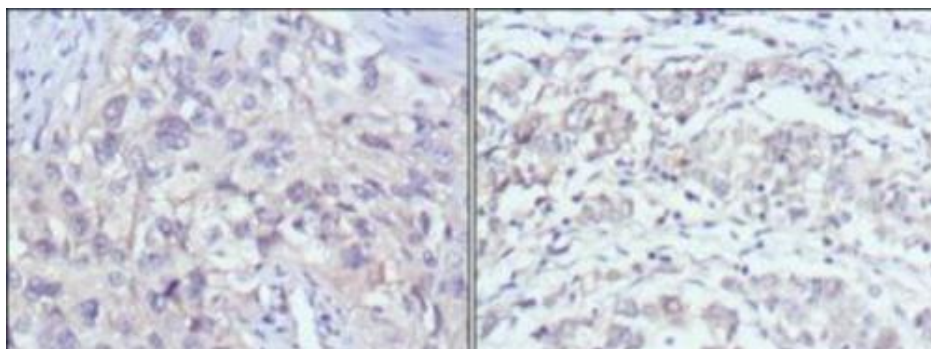
**Product images:**



Confocal immunofluorescence analysis of HeLa cells using PAK2 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye.



Western blot detection of PAK2 in Jurkat, MCF7 and HeLa cell lysates using PAK2 mouse mAb (1:5000 diluted). Predicted band size: 61 kDa. Observed band size: 61 kDa.



Immunohistochemical analysis of paraffin-embedded human lung cancer (left) and gastric cancer (right) using PAK2 mouse mAb with DAB staining.