

## Anti-Phospho-PAK1 (Ser204) Polyclonal Antibody

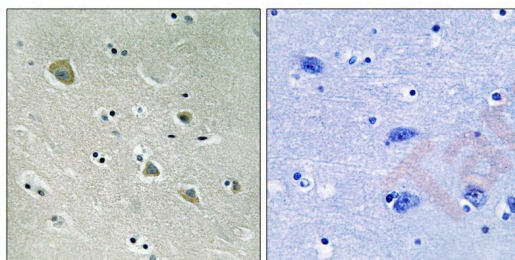
### Product Details

Ig Type:	IgG
Reactivity:	Human
Conjugation:	Unconjugated
Molecular Weight:	Actual: 65 kDa.
Purification:	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using non-phosphopeptide.

### Applications

#### Verified Activity:

- Western blot analysis of extracts from 3T3 cells treated with UV using PAK1 (Phospho-Ser204) Antibody TMAC-03048. The lane on the right is treated with the antigen-specific peptide.
- Immunohistochemical analysis of paraffin-embedded human brain tissue using PAK1 (Phospho-Ser204) antibody TMAC-03048 (left) or the same antibody preincubated with blocking peptide (right).



Application:	IHC,WB
Recommended	WB: 1:500-1000; IHC: 1:50-100

### Properties

Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

### Antigen Details

Immunogen:	Peptide sequence around phosphorylation site of Serine 204(T-R-S(p)-V-I) derived from Human PAK1
Antigen Species:	human
Uniprot ID:	Q13153
Synonyms:	p-PAK1 (S204);PAK1 (p-S204);PAK1 (p-Ser204);p-PAK1 (Ser204)

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### Research Background

The activated kinase acts on a variety of targets. Likely to be the GTPase effector that links the Rho-related GTPases to the JNK MAP kinase pathway. Activated by CDC42 and RAC1. Involved in dissolution of stress fibers and reorganization of focal complexes. Involved in regulation of microtubule biogenesis through phosphorylation of TBCB. Activity is inhibited in cells undergoing apoptosis, potentially due to binding of CDC2L1 and CDC2L2.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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