

## Product datasheet for **TA348429**

### PAK3 Rabbit Polyclonal Antibody

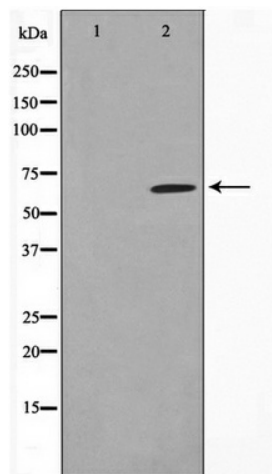
#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB: 1:500-1:2000
Reactivity:	Human, Mouse, Rat
Modifications:	Phospho-specific
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-Phospho-PAK3(Ser154) Antibody: A synthesized peptide derived from human PAK3 around the phosphorylation site of Sersine 154
Formulation:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at -20?. Stable for 12 months from date of receipt
Concentration:	lot specific
Purification:	Immunogen affinity purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	72 kDa
Gene Name:	p21 (RAC1) activated kinase 3
Database Link:	<a href="#">NP_001121638</a> <a href="#">Entrez Gene 18481 Mouse</a> <a href="#">Entrez Gene 29433 Rat</a> <a href="#">Entrez Gene 5063 Human</a> <a href="#">O75914</a>



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<b>Background:</b>	PAK3 a protein kinase of the STE20 family that regulates synapse formation and plasticity in the hippocampus. May be necessary for dendritic development and for the rapid cytoskeletal reorganization in dendritic spines associated with synaptic plasticity. Forms an activated complex with GTP-bound P21, CDC2 and RAC1 proteins. Missense and truncation mutations linked to nonsyndromic mental retardation type 30 (MRX30). Two alternatively spliced human isoforms have been reported. Note: This description may include information from UniProtKB.
<b>Synonyms:</b>	ARA; beta-PAK; bPAK; MRX30; MRX47; OPHN3; PAK-3; PAK3beta
<b>Note:</b>	Phospho-PAK3(Ser154) Antibody detects endogenous levels of PAK3 only when phosphorylated at Sersine 154
<b>Protein Families:</b>	Druggable Genome, Protein Kinase, Stem cell - Pluripotency
<b>Protein Pathways:</b>	Axon guidance, ErbB signaling pathway, Focal adhesion, Regulation of actin cytoskeleton, Renal cell carcinoma, T cell receptor signaling pathway

**Product images:**

Western blot analysis on rat heart cell lysate using Phospho-PAK3 (Ser154) Antibody