

## Product datasheet for **TA322264**

### PAK5 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC
Recommended Dilution:	IHC: 15-50 Positive control: Human breast cancer Predicted cell location: Cytoplasm
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Fusion protein corresponding to C terminal 300 amino acids of human p21 protein (Cdc42/Rac)-activated kinase 7
Formulation:	PBS pH7.3, 0.05% NaN <sub>3</sub> , 50% glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	p21 (RAC1) activated kinase 7
Database Link:	<a href="#">NP_065074</a> <a href="#">Entrez Gene 241656 MouseEntrez Gene 311450 RatEntrez Gene 57144 Human Q9P286</a>



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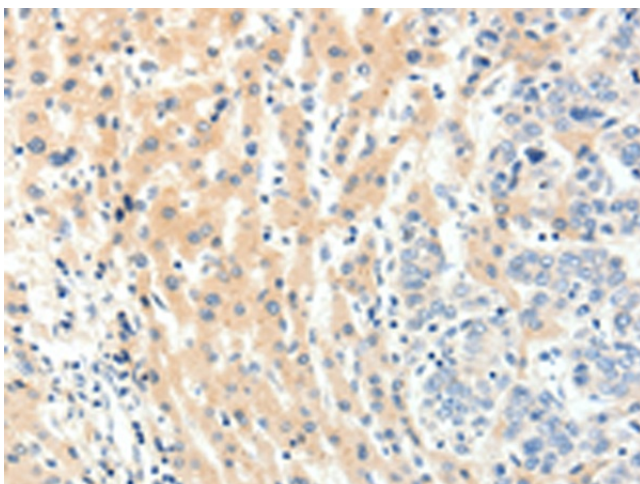
**Background:** The protein encoded by this gene is a member of the PAK family of Ser/Thr protein kinases. PAK family members are known to be effectors of Rac/Cdc42 GTPases; which have been implicated in the regulation of cytoskeletal dynamics; proliferation; and cell survival signaling. This kinase contains a CDC42/Rac1 interactive binding (CRIB) motif; and has been shown to bind CDC42 in the presence of GTP. This kinase is predominantly expressed in brain. It is capable of promoting neurite outgrowth; and thus may play a role in neurite development. This kinase is associated with microtubule networks and induces microtubule stabilization. The subcellular localization of this kinase is tightly regulated during cell cycle progression. Alternatively spliced transcript variants encoding the same protein have been described.

**Synonyms:** PAK5

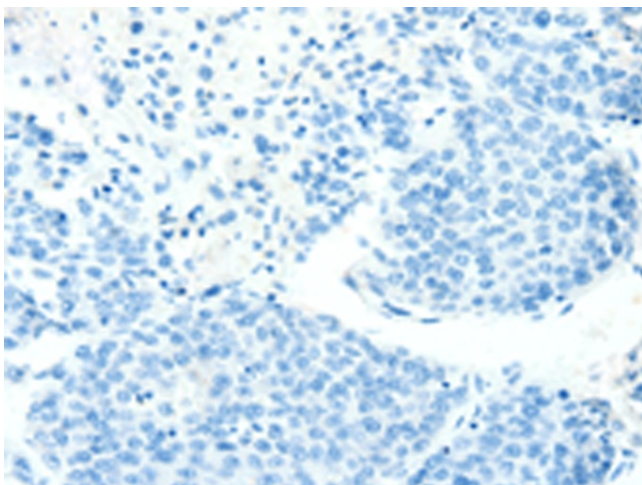
**Protein Families:** Druggable Genome, Protein Kinase

**Protein Pathways:** Axon guidance, ErbB signaling pathway, Focal adhesion, Regulation of actin cytoskeleton, Renal cell carcinoma, T cell receptor signaling pathway

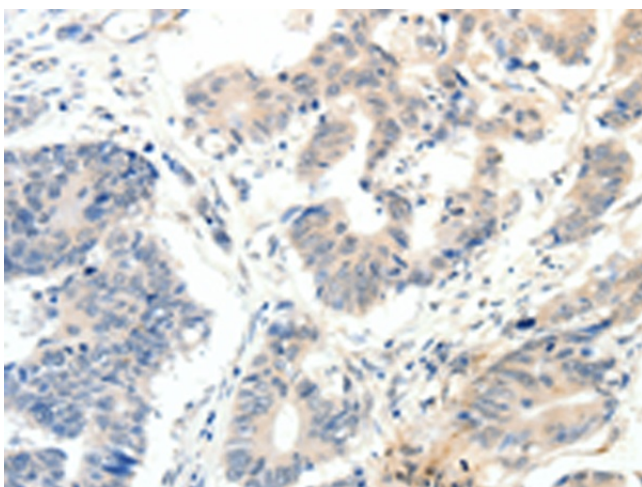
### Product images:



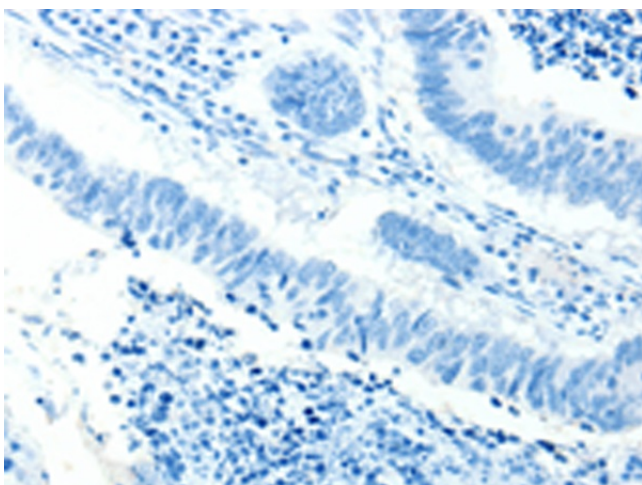
Immunohistochemistry of paraffin-embedded Human breast cancer tissue using TA322264 (PAK5 Antibody) at dilution 1/20 (Original magnification:  $\times 200$ )



Immunohistochemistry of paraffin-embedded Human breast cancer tissue using TA322264 (PAK5 Antibody) at dilution 1/20, treated with fusion protein. (Original magnification:  $\times 200$ )



Immunohistochemistry of paraffin-embedded Human colon cancer tissue using TA322264 (PAK5 Antibody) at dilution 1/20 (Original magnification:  $\times 200$ )



Immunohistochemistry of paraffin-embedded Human colon cancer tissue using TA322264 (PAK5 Antibody) at dilution 1/20, treated with fusion protein. (Original magnification:  $\times 200$ )