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Product datasheet for TA322265

PAK5 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 200-1000 WB positive control: A172 cell lysate IHC: 50-200 Positive control: Human liver 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 7p21 protein (Cdc42/Rac)-activated kinase 7
Formulation:	PBS pH7.3, 0.05% NaN3, 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.
Predicted Protein Size:	81 kDa
Gene Name:	p21 (RAC1) activated kinase 7
Database Link:	NP_065074 Entrez Gene 241656 MouseEntrez Gene 311450 RatEntrez Gene 57144 Human Q9P286

View online »

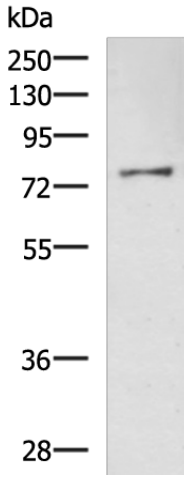
Background: The protein encoded by this gene is a member of the PAK family of Ser/Thr protein kinases. PAK family members are known to be effectors of Rac/Cdc42 GTPases; which have been implicated in the regulation of cytoskeletal dynamics; proliferation; and cell survival signaling. This kinase contains 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

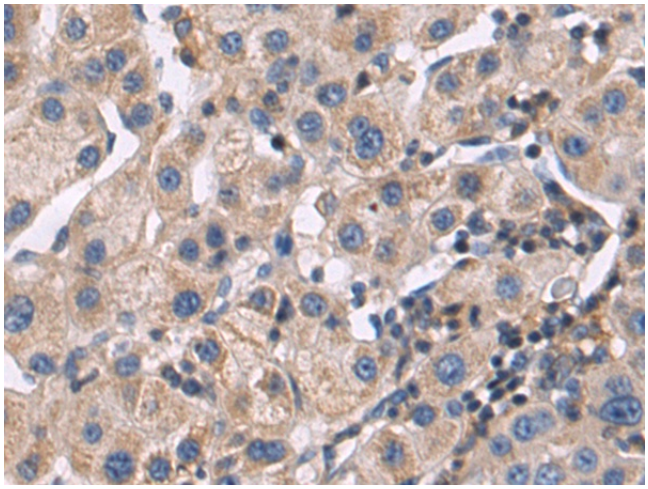
Protein Families: Druggable Genome, Protein Kinase

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

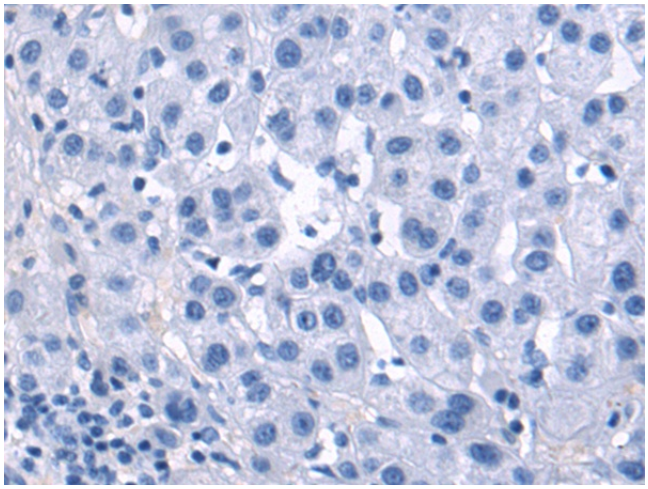
Product images:



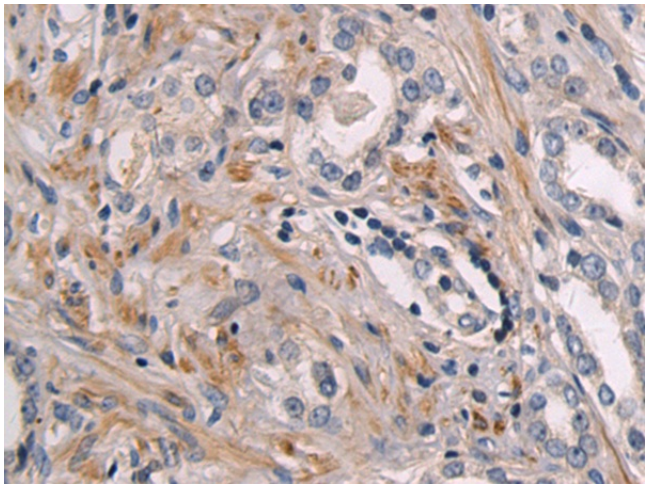
Gel: 8%SDS-PAGE
Lysate: 40 µg
Lane: A172 cell lysate
Primary antibody: TA322265 (PAK5 Antibody) at dilution 1/500
Secondary antibody: Goat anti rabbit IgG at 1/5000 dilution
Exposure time: 3 minutes



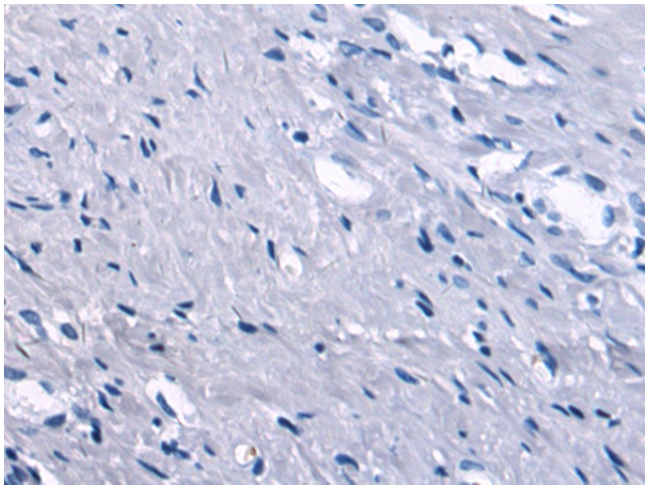
Immunohistochemistry of paraffin-embedded Human liver cancer tissue using TA322265 (PAK5 Antibody) at dilution 1/60 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human liver cancer tissue using TA322265 (PAK5 Antibody) at dilution 1/60, treated with fusion protein. (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human prostate cancer tissue using TA322265 (PAK5 Antibody) at dilution 1/60 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human prostate cancer tissue using TA322265 (PAK5 Antibody) at dilution 1/60, treated with fusion protein. (Original magnification: ×200)