Product Datasheet

PAK7 Antibody

Catalog No: #35866

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

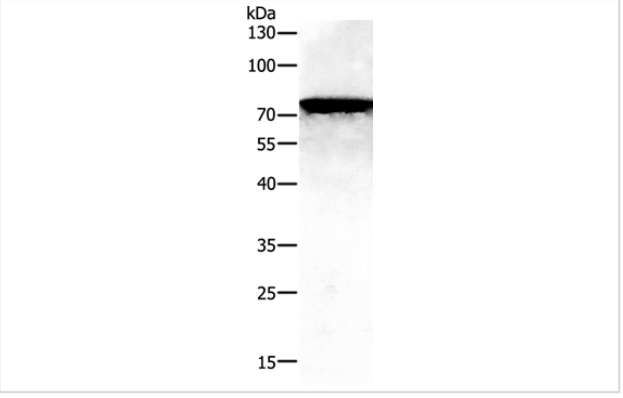
Product Name	PAK7 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antigen affinity purification.
Applications	WB IHC
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total PAK7 protein.
Immunogen Type	Recombinant Protein
Immunogen Description	Fusion protein corresponding to residues near the C terminal of human p21 protein (Cdc42/Rac)-activated kinase 7
Target Name	PAK7
Other Names	PAK5
Accession No.	Swiss-Prot#: Q9P286NCBI Gene ID: 57144Gene Accssion: BC024179
Uniprot	Q9P286
GeneID	57144;
SDS-PAGE MW	81kd
Concentration	0.4mg/ml
Formulation	Rabbit IgG in pH7.4 PBS, 0.05% NaN3, 40% Glycerol.
Storage	Store at -20°C

Application Details

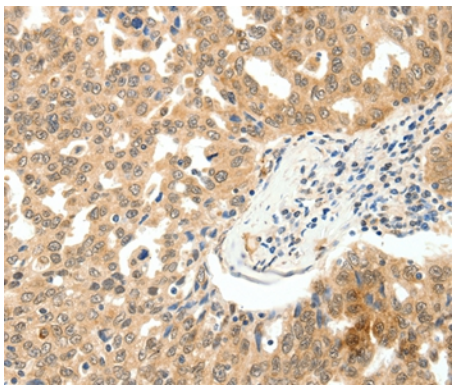
Western blotting: 1:200-1:1000

Immunohistochemistry: 1:15-1:50

Images



Gel: 10%SDS-PAGE
Lysates (from left to right): Human fetal kidney tissue
Amount of lysate: 40ug per lane
Primary antibody: 1/100 dilution
Secondary antibody dilution: 1/8000
Exposure time: 3 minutes



Immunohistochemical analysis of paraffin-embedded Human ovarian cancer tissue using #35866 at dilution 1/10.

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.

Note: This product is for in vitro research use only