

Product Name: KD-Validated PAK2 Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA01672**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:200-1:2,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 58.0kDa

Antigen Information

Gene Name	PAK2
Alternative Names	PAK2; P21 (RAC1) Activated Kinase 2; PAK65; S6/H4 Kinase; P21 Protein (Cdc42/Rac)-Activated Kinase 2; Serine/Threonine-Protein Kinase PAK 2; P21 (CDKN1A)-Activated Kinase 2; P21-Activated Kinase 2; EC 2.7.11.1; Gamma-PAK; PAKgamma; PAK-2; P58; EC 2.7.11; PAKGAMMA; KNO2
Gene ID	5062.0
SwissProt ID	Q13177
Immunogen	A synthesized peptide derived from human PAK2

Background

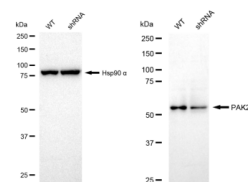
The p21 activated kinases (PAK) are critical effectors that link Rho GTPases to cytoskeleton reorganization and nuclear

signaling. The PAK proteins are a family of serine/threonine kinases that serve as targets for the small GTP binding proteins, CDC42 and RAC1, and have been implicated in a wide range of biological activities. The protein encoded by this gene is activated by proteolytic cleavage during caspase-mediated apoptosis, and may play a role in regulating the apoptotic events in the dying cell. [provided by RefSeq, Jul 2008]

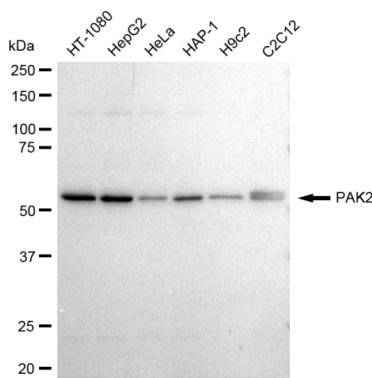
Research Area

Cell Biology, Microbiology, Signal Transduction, Cancer

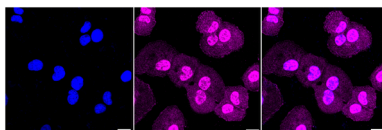
Image Data



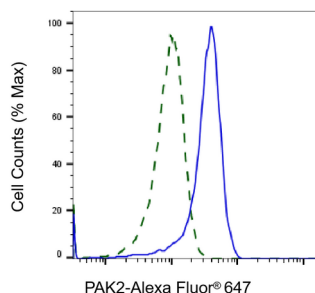
Western blotting analysis using PAK2 antibody (KVA01672). PAK2 expression in wild type (WT) and PAK2 shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with PAK2 antibody (KVA01672, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



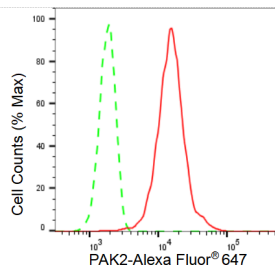
Western blotting analysis using PAK2 antibody (KVA01672). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with PAK2 antibody (KVA01672, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HT-1080 cells with PAK2 antibody (KVA01672, 1:1,000). Nuclei were stained blue with DAPI; PAK2 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser intensity and smart gain: High. Scale bar: 20 µm.



Validation of PAK2 knockdown using flow cytometry. Wild-type (WT, Blue) and knockdown (KD, Green) HeLa cells were stained with PAK2 antibody (KVA01672, 1:2,000) and analyzed using BD flow cytometer.



Flow cytometric analysis of PAK2 expression in HT-1080 cells using PAK2 antibody (KVA01672, 1:2,000). Green, isotype control; red, PAK2.