

Product Name: KD-Validated Protein Tyrosine Kinase 2 Recombinant Rabbit Monoclonal Antibody

Catalog #: KVA01437

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: 119.2kDa

Antigen Information

Gene Name	PTK2 PTK2; Protein Tyrosine Kinase 2; PPP1R7; FAK; FAK; FADK; Protein Phosphatase 1 Regulatory Subunit 71; Focal Adhesion Kinase-Related Nonkinase; PTK2 Protein Tyrosine Kinase 2; Focal
Alternative Names	Adhesion Kinase 1; EC 2.7.10.2; Pp125FAK; P125FAK; FADK 1; FRNK; Protein Phosphatase 1, Regulatory Subunit 71; FAK-Related Non-Kinase Polypeptide; Protein-Tyrosine Kinase 2; EC 2.7.10
Gene ID	5747.0
SwissProt ID	Q05397
Immunogen	A synthesized peptide derived from human FAK

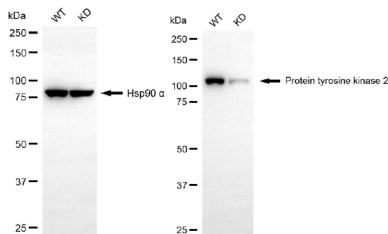
Background

This gene encodes a cytoplasmic protein tyrosine kinase which is found concentrated in the focal adhesions that form between cells growing in the presence of extracellular matrix constituents. The encoded protein is a member of the FAK subfamily of protein tyrosine kinases but lacks significant sequence similarity to kinases from other subfamilies. Activation of this gene may be an important early step in cell growth and intracellular signal transduction pathways triggered in response to certain neural peptides or to cell interactions with the extracellular matrix. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jun 2017]

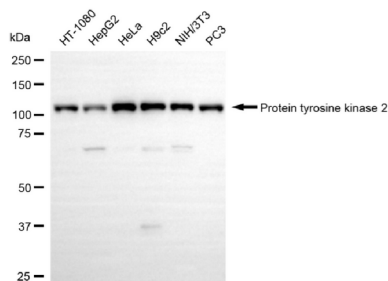
Research Area

Cardiovascular,Signal Transduction,Cancer

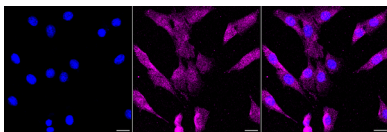
Image Data



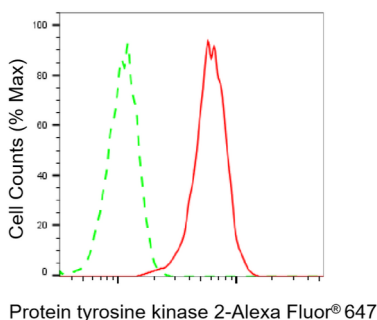
Western blotting analysis using protein tyrosine kinase 2 antibody (KVA01437). Protein tyrosine kinase 2 expression in wild-type (WT) and protein tyrosine kinase 2 (PTK2) knockdown (KD) 293T cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with protein tyrosine kinase 2 antibody (KVA01437, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using protein tyrosine kinase 2 antibody (KVA01437). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with protein tyrosine kinase 2 antibody (KVA01437, 1:5,000) and HRP-conjugated goat anti rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of C2C12 cells with Protein tyrosine kinase 2 antibody (KVA01437, 1:1,000). Nuclei were stained blue with DAPI; Protein tyrosine kinase 2 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar, 20 µm.



Flow cytometric analysis of Protein tyrosine kinase 2 expression in C2C12 cells using Protein tyrosine kinase 2 antibody (KVA01437, 1:2,000). Green, isotype control; red, Protein tyrosine kinase 2.