
Product Name: KD-Validated Integrin Linked Kinase Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA01421**

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: 51.4kDa

Antigen Information

Gene Name	ILK ILK; Integrin Linked Kinase; 59 KDa Serine/Threonine-Protein Kinase; Integrin-Linked Protein
Alternative Names	Kinase; Beta-Integrin-Linked Kinase; P59ILK; ILK-1; ILK-2; Epididymis Secretory Protein Li 28; Integrin-Linked Kinase-2; Integrin-Linked Kinase; EC 2.7.11.1; HEL-S-28; ILK1; ILK2; P59
Gene ID	3611.0
SwissProt ID	Q13418
Immunogen	A synthesized peptide derived from human ILK

Background

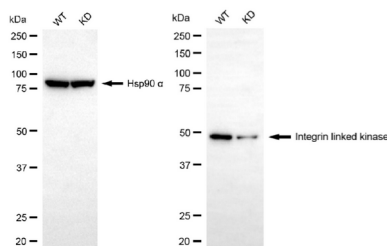
This gene encodes a protein with a kinase-like domain and four ankyrin-like repeats. The encoded protein associates at the cell

membrane with the cytoplasmic domain of beta integrins, where it regulates integrin-mediated signal transduction. Activity of this protein is important in the epithelial to mesenchymal transition, and over-expression of this gene is implicated in tumor growth and metastasis. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jun 2013]

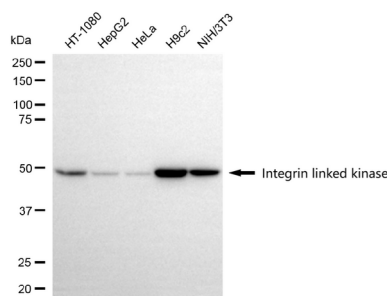
Research Area

Signal Transduction

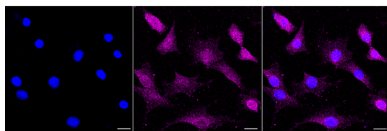
Image Data



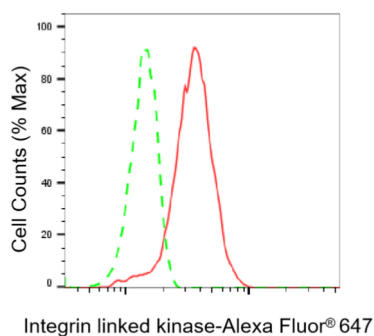
Western blotting analysis using integrin linked kinase antibody (KVA01421). Integrin linked kinase expression in wild-type (WT) and integrin linked kinase (DAG1) knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with integrin linked kinase antibody (KVA01421, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using integrin linked kinase antibody (KVA01421). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with integrin linked kinase antibody (KVA01421, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of C2C12 cells with Integrin linked kinase antibody (KVA01421, 1:1,000). Nuclei were stained blue with DAPI; Integrin linked kinase was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Low. Scale bar, 20 µm.



Flow cytometric analysis of Integrin linked kinase expression in C2C12 cells using Integrin linked kinase antibody (KVA01421, 1:2,000). Green, isotype control; red, Integrin linked kinase.