

Product Name: ILK Mouse Monoclonal Antibody**Catalog #: AMM81180**

For research use only.

Summary

Description	Mouse monoclonal Antibody
Host	Mouse
Application	WB,IHC,ELISA,FC
Reactivity	Human,Mouse,Monkey
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Monoclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	PBS containing 0.03% sodium azide.
Purification	Affinity Purification

Application

Dilution Ratio	WB 1:500-1:2000,IHC 1:200-1:1000,ELISA 1:5000-1:20000,FC 1:200-1:400
Molecular Weight	51.4kDa

Antigen Information

Gene Name	ILK
Alternative Names	P59; ILK-2
Gene ID	3611.0
SwissProt ID	Q13418
Immunogen	Purified recombinant fragment of human ILK (AA: 97-244) expressed in E. Coli.

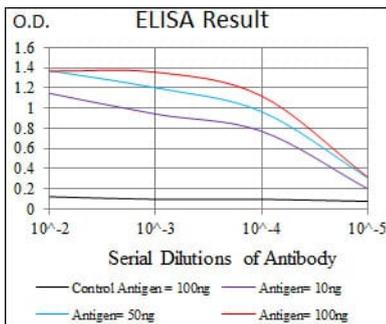
Background

Transduction of extracellular matrix signals through integrins influences intracellular and extracellular functions, and appears to require interaction of integrin cytoplasmic domains with cellular proteins. Integrin-linked kinase (ILK), interacts with the cytoplasmic domain of beta-1 integrin. This gene encodes a serine/threonine protein kinase with 4 ankyrin-like repeats, which

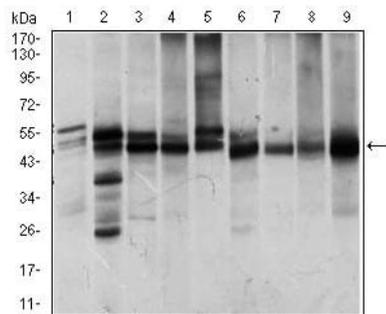
associates with the cytoplasmic domain of beta integrins and acts as a proximal receptor kinase regulating integrin-mediated signal transduction. Multiple alternatively spliced transcript variants encoding the same protein have been found for this gene.

Research Area

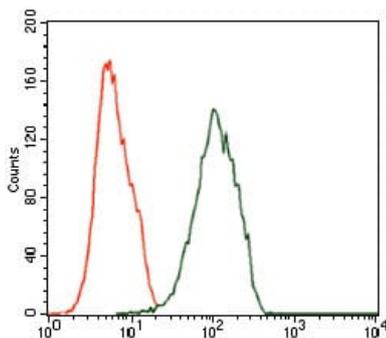
Image Data



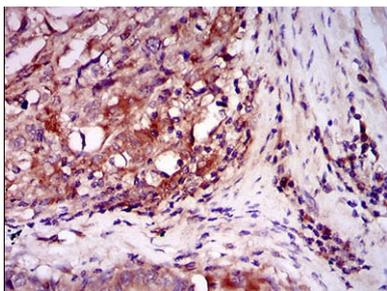
Black line: Control Antigen (100 ng); Purple line: Antigen(10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng);



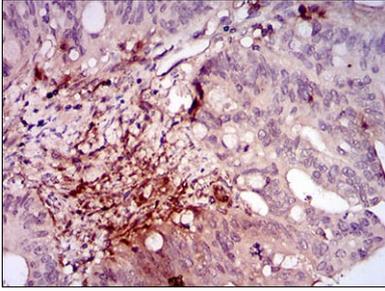
Western blot analysis using ILK mouse mAb against Jurkat (1), NIH3T3 (2), HeLa (3), PC-12 (4), C6 (5), COS7 (6), Raji (7), K562 (8) and MCF-7 (9) cell lysate.



Flow cytometric analysis of Jurkat cells using ILK mouse mAb (green) and negative control (red).



Immunohistochemical analysis of paraffin-embedded human esophageal cancer tissues using ILK mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded human rectum cancer tissues using ILK mouse mAb with DAB staining.