Anti-Integrin Linked ILK Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

Catalog # R012699

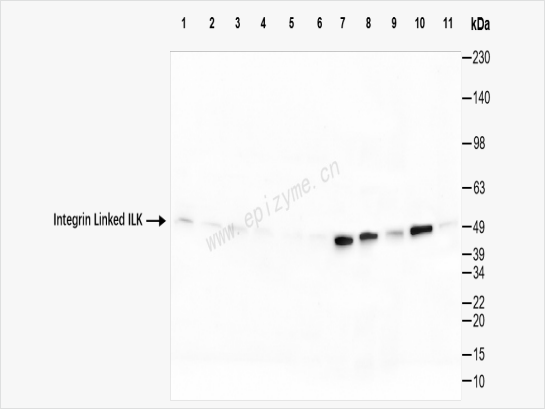
Product Information

Application	WB, IF (Cell)/ICC, ELISA
Reactivity	Human, Mouse, Rat
Dilution	WB 1:1,000~1:3,000; IF 1:100~1:200
Host	Rabbit
Clonality	Monoclonal
Clone No.	80M02M00
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human Integrin linked ILK
Format	Affinity purified monoclonal antibody supplied in PBS with 0.02% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-Integrin Linked ILK Rabbit mAb [80M02M00] is for research use only and not for use in diagnostic or therapeutic procedures.

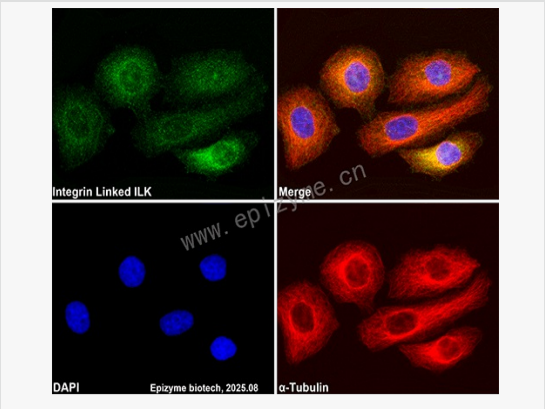
Protein Information

Synonyms	ILK1; ILK2; ILK; Scaffold protein ILK; ILK-1; ILK-2; Inactive integrin-linked kinase; p59ILK.
Calculated MW	Calculated MW: 51 kDa; Observed MW: 51 kDa
Uniprot ID	Q13418
Gene ID	3611
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]
Cellular Location	Cell junction.Focal adhesion.Cell membrane.Peripheral membrane protein.Cytoplasmic side.Cell projection.Lamellipodium.Cytoplasm.Myofibril.Sarcomere.Cytoplasm.Nucleus.Cytoplasm.Cytoskeleton.Microtubule organizing center.Centrosome.Cytoplasm.Cell cortex

Validation Images



Western Blot - Anti-Integrin Linked ILK Rabbit mAb [80M02M00]
All lanes: R012699 at 1:3,000 dilution
Lane 1: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates
Lane 2: HepG2 (Human hepatocarcinoma epithelial cell) whole cell lysates
Lane 3: HCT116 (Human colorectal carcinoma epithelial cell) whole cell lysates
Lane 4: 293T (Human embryonic kidney cell) whole cell lysates
Lane 5: K562 (Human chronic myeloid leukemia cell) whole cell lysates
Lane 6: SH-SY5Y (Human neuroblastoma epithelial cell) whole cell lysates
Lane 7: C2C12 (Mouse myoblasts epithelial cell) whole cell lysates
Lane 8: Mouse heart whole tissue lysates
Lane 9: Mouse liver whole tissue lysates
Lane 10: PC-12 (Rat adrenal pheochromocytoma epithelial cell) whole cell lysates
Lane 11: Rat brain whole tissue lysates
Lysates/proteins at 10 µg per lane.
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution
Predicted band size: 51 kDa
Observed band size: 51 kDa
Developed using the ECL technique (Cat. No. SQ201).



Immunofluorescence - Anti-Integrin Linked ILK Rabbit mAb [80M02M00]
Sample: HeLa cells
The cells were fixed with 4% paraformaldehyde (10 min), permeabilized with 0.5% Triton X-100 for 10 minutes and then blocked with 5% BSA in 0.1% PBS-Tween for 0.5 hours.
Primary antibodies: R012699 at 1:100 dilution and α-tubulin Mouse Monoclonal Antibody (Cat. No. LF209) at 1:100 dilution
Secondary antibodies: Goat anti-Rabbit (488) at 1:1,000 dilution (shown in green) and Goat anti-Mouse (555) at 1:1,000 dilution (shown in red)
Nuclei were stained with DAPI (shown in blue).