Product Datasheet

Integrin linked ILK Rabbit mAb

Catalog No: #48993

Package Size: #48993-1 50ul #48993-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

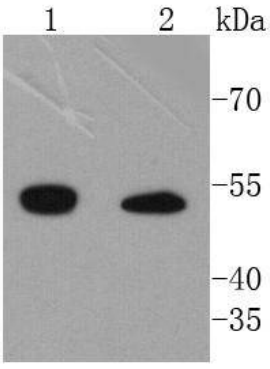
Description

Product Name	Integrin linked ILK Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	SC68-04
Purification	ProA affinity purified
Applications	WB, ICC, IHC, IP, FC
Species Reactivity	Hu, Ms, Rt
Immunogen Description	recombinant protein
Other Names	59 kDa serine/threonine protein kinase antibody 59 kDa serine/threonine-protein kinase antibody DKFZp686F1765 antibody Epididymis secretory protein Li 28 antibody HEL S 28 antibody ILK 1 antibody ILK 2 antibody ILK antibody ILK-1 antibody ILK-2 antibody ILK_HUMAN antibody ILK1 antibody ILK2 antibody Integrin linked kinase 2 antibody Integrin linked Kinase antibody Integrin linked protein kinase antibody Integrin-linked protein kinase antibody p59 antibody p59ILK antibody
Accession No.	Swiss-Prot#:Q13418
Uniprot	Q13418
GeneID	3611;
Calculated MW	51 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

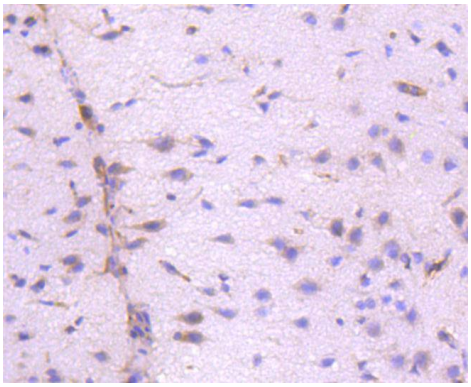
Application Details

WB: 1:1,000-1:2,000 IHC: 1:50-1:200 ICC: 1:50-1:200FC: 1:50-1:100

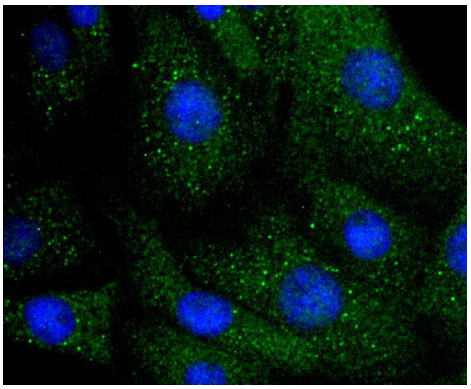
Images



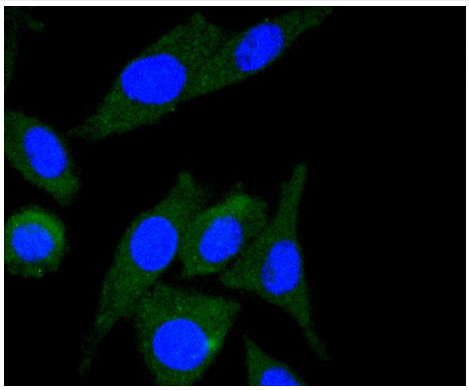
Western blot analysis of Integrin linked ILK on different lysates using anti-Integrin linked ILK antibody at 1/1,000 dilution.
Positive control:
Lane 1: Hela
Lane 2: 293T



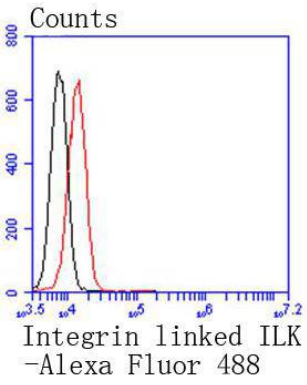
Immunohistochemical analysis of paraffin-embedded rat brain tissue using anti-Integrin linked ILK antibody. Counter stained with hematoxylin.



ICC staining Integrin linked ILK in NIH/3T3 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining Integrin linked ILK in SH-SY-5Y cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



Flow cytometric analysis of Jurkat cells with Integrin linked ILK antibody at 1/50 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody.

Background

Integrins are heterodimers composed of non-covalently associated transmembrane a and b subunits. The 16 a and 8 b subunits heterodimerize to produce more than 20 different receptors. Most integrin receptors bind to ligands that are components of the extracellular matrix. Certain integrins can also bind to soluble ligands such as Fibrinogen, or to counterreceptors on adjacent cells, such as the intracellular adhesion molecules (ICAMs), leading to aggregation of cells. In addition to mediating cell adhesion and cytoskeletal organization, integrins function as signaling receptors. Signals transduced by integrins play a role in many biological processes, including cell growth, differentiation, migration and apoptosis. ILK (integrin-linked kinase) was identified as a serine/threonine kinase that phosphorylates b1 and b3 integrins. ILK expression has been shown to be reduced in response to Fibronectin, a known integrin ligand. Overexpression of ILK was shown to upregulate the Fibronectin matrix assembly in epithelial cells,

indicating a potential role for ILK in cell growth, cell survival and tumorigenesis.

References

Note: This product is for in vitro research use only