

Mouse ILK Monoclonal Antibody | anti-ILK antibody

ILK (Integrin-linked Protein Kinase, 59kD Serine/Threonine-protein Kinase, ILK-1, ILK-2, p59ILK, ILK1, ILK2, DKFZp686F1765) (HRP)

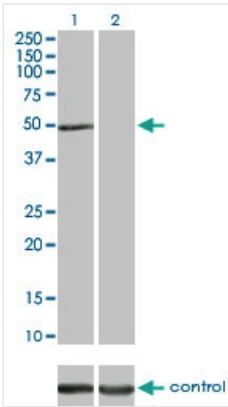
CATALOG # AAA25427	HOST Mouse	REACTIVITY Human, Mouse, Rat	APPLICATIONS ELISA, Western Blot
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PRODUCT SYNONYMS

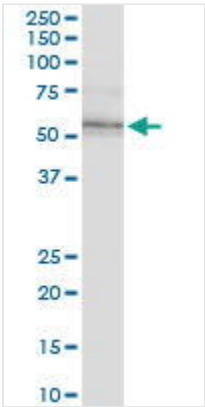
ILK; Monoclonal Antibody; ILK (Integrin-linked Protein Kinase; 59kD Serine/Threonine-protein Kinase; ILK-1; ILK-2; p59ILK; ILK1; ILK2; DKFZp686F1765) (HRP); anti-ILK antibody

PRODUCT SPECIFICATIONS

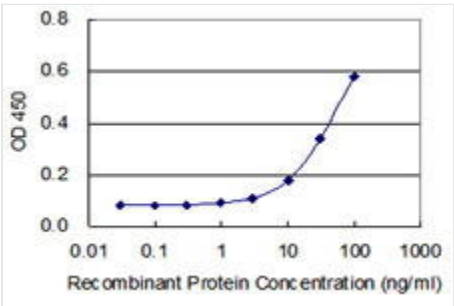
Host	Mouse
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Isotype	IgG1,k
Clone Number	4F10
Specificity	Recognizes human ILK. Species Crossreactivity: mouse and rat.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with horseradish peroxidase (HRP).
Applicable Applications for anti-ILK antibody	ELISA, WB (Western Blot)
Application Notes	Applications are based on unconjugated antibody.
Immunogen	Partial recombinant corresponding to aa341-452 from human ILK (AAH01554) with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	KFSFQCPGRMYAPAWVAPEALQKKPEDTNRRSADMWSFAVLLWELVTREVPFADLSNMEIGMKVALEGLRPTIPPGISPHVCKLMKICMNEDPAKRPKF
Conjugate	HRP
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Sodium azide is a potent inhibitor of peroxidase and should not be added to HRP conjugates. For maximum recovery of product, centrifuge the original vial and prior to removing the cap.



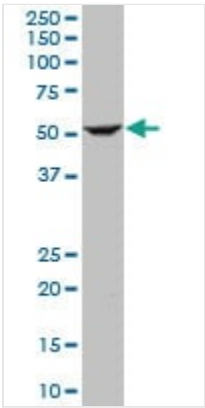
WB (Western Blot)
Western blot analysis of ILK over-expressed 293 cell line, cotransfected with ILK Validated Chimera RNAi (Lane 2) or non-transfected control (Lane 1). Blot probed with ILK monoclonal antibody. GAPDH (36.1kD) used as specificity and loading control.



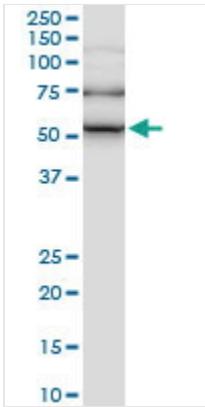
WB (Western Blot)
ILK monoclonal antibody. Western Blot analysis of ILK expression in NIH/3T3.



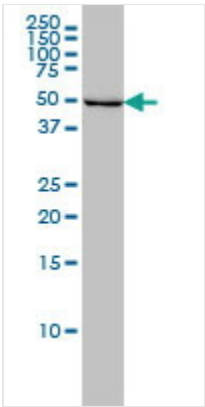
Application Data
Detection limit for recombinant GST tagged ILK is ~3ng/ml as a capture antibody.



WB (Western Blot)
ILK monoclonal antibody. Western Blot analysis of ILK expression in HepG2.



WB (Western Blot)
ILK monoclonal antibody. Western Blot analysis of ILK expression in PC-12.



WB (Western Blot)
ILK monoclonal antibody Western Blot analysis of ILK expression in HeLa.

ADDITIONAL INFORMATION

Related Product Information for anti-ILK antibody	Receptor-proximal protein kinase regulating integrin-mediated signal transduction. May act as a mediator of inside-out integrin signaling. Focal adhesion protein part of the complex ILK-PINCH. This complex is considered to be one of the convergence points of integrin- and growth factor-signaling pathway. Could be implicated in mediating cell architecture, adhesion to integrin substrates and anchorage-dependent growth in epithelial cells. Phosphorylates beta-1 and beta-3 integrin subunit on serine and threonine residues, but also AKT1 and GSK3B.
Product Categories/Family for anti-ILK antibody	Antibodies; Protein Kinases

NCBI AND UNIPROT INFORMATION

NCBI GI #	16306740
NCBI GeneID	3611
Molecular Weight	36,467 Da
NCBI Official Full Name	Homo sapiens integrin-linked kinase, mRNA
NCBI Official Synonym Full Names	integrin linked kinase
NCBI Official Symbol	ILK
NCBI Official Synonym Symbols	P59; ILK-1; ILK-2; p59ILK; HEL-S-28
NCBI Protein Information	integrin-linked protein kinase

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/ilk-antibody-clone-4f10-western-blot-elisa/25427>