

Rabbit ILK Polyclonal Antibody | anti-ILK antibody

ILK Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA166175	Rabbit	Human, Mouse, Rat	Immunohistochemistry, Western Blot

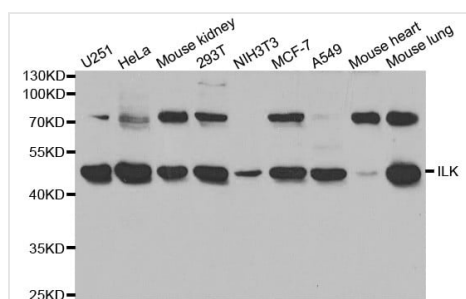
PRODUCT SYNONYMS

ILK; Polyclonal Antibody; ILK Antibody; DKFZp686F1765; P59; ILK1; anti-ILK antibody

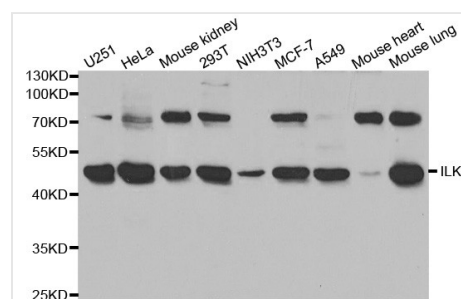
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Antigen affinity purification
Concentration	1mg/mL (varies by lot)
Sequence Length	452
Applicable Applications for anti-ILK antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Recombinant protein of human ILK
Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-7516 / sc-30713 / sc-13075
Preparation and Storage	Store at -20 degree C (regular) and -80 degree C (long term). Avoid freeze / thaw cycles.

IMAGES



Application Data



WB (Western Blot)

Western blot analysis of extracts of various cell lines, using ILK antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-ILK antibody	Integrin-linked kinases (ILKs) couple integrins and growth factors to downstream pathways involved in cell survival, cell cycle control, cell-cell adhesion and cell motility (1). ILK functions as a scaffold bridging the extracellular matrix (ECM) and growth factor receptors to the actin cytoskeleton through interactions with integrin, PINCH (which links ILK to the RTKs via Nck2), CH-ILKBP and affixin (1). ILK phosphorylates Akt at Ser473, GSK-3 on Ser9, myosin light chain 2 (MLC2) on Ser18/Thr19, as well as affixin (2-5). These phosphorylation events are key regulatory steps in modulating the activities of the targets. ILK activity is stimulated by PI3 kinase and negatively regulated by the tumor suppressor PTEN and a PP2C protein phosphatase, ILKAP (1, 3, 6). It has been suggested that the conserved Ser343 residue in the activation loop plays a key role in the activation of ILK1 (2).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	62420875
NCBI GeneID	3611
NCBI Accession #	NP_001014795.1
NCBI GenBank Nucleotide #	NM_001014795.2
Molecular Weight	36,467 Da
NCBI Official Full Name	integrin-linked protein kinase isoform 1
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; 59 kDa serine/threonine-protein kinase; epididymis secretory protein Li 28; integrin-linked kinase-2
UniProt Protein Name	Integrin-linked protein kinase
UniProt Gene Name	ILK
UniProt Synonym Gene Names	ILK1; ILK2
UniProt Entry Name	ILK_HUMAN

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://www.aaabiotech.com/polyclonal/ilk-antibody-immunohistochemistry-western-blot-elisa/166175>