

ARG40399 anti-ILK antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes ILK
Tested Reactivity	Hu, Ms, Rat
Tested Application	IHC-P, IP, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	ILK
Species	Human
Immunogen	Synthetic peptide derived from Human ILK.
Conjugation	Un-conjugated
Alternate Names	ILK-1; ILK-2; p59ILK; 59 kDa serine/threonine-protein kinase; P59; Integrin-linked protein kinase; EC 2.7.11.1; HEL-S-28

Application Instructions

Application table	Application	Dilution
	IHC-P	1:50 - 1:200
	IP	1:50
	WB	1:1000 - 1:5000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Observed Size	50 kDa	

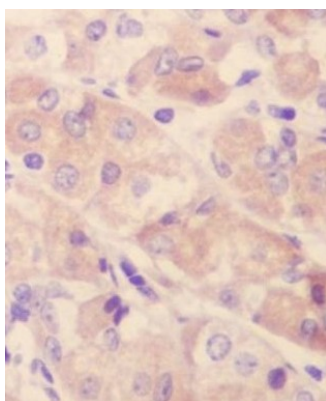
Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.4), 150 mM NaCl, 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

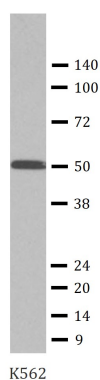
Gene Symbol	ILK
Gene Full Name	integrin-linked kinase
Background	This gene encodes a protein with a kinase-like domain and four ankyrin-like repeats. The encoded protein associates at the cell membrane with the cytoplasmic domain of beta integrins, where it regulates integrin-mediated signal transduction. 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]
Function	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. [UniProt]
Calculated Mw	51 kDa
PTM	Autophosphorylated on serine residues. [UniProt]
Cellular Localization	Cell junction, focal adhesion. Cell membrane; Peripheral membrane protein; Cytoplasmic side. Cell projection, lamellipodium. Cytoplasm, myofibril, sarcomere. [UniProt]

Images



ARG40399 anti-ILK antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human stomach stained with ARG40399 anti-ILK antibody.



ARG40399 anti-ILK antibody WB image

Western blot: K562 cell lysate stained with ARG40399 anti-ILK antibody.