

Datasheet for ABIN391993
anti-ILK antibody (N-Term)[Go to Product page](#)

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Overview

Quantity:	400 µL
Target:	ILK
Binding Specificity:	AA 11-41, N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This ILK1/ILK2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 11-41 amino acids from the N-terminal region of mouse ILK1/ILK2.
Clone:	RB1668
Isotype:	Ig Fraction
Predicted Reactivity:	B, Rat
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Target Details

Target:	ILK
Alternative Name:	ILK1/ILK2 (ILK Products)

Target Details

Background:	Transduction of extracellular matrix signals through integrins influences intracellular and extracellular functions, and appears to require interaction of integrin cytoplasmic domains with cellular proteins. Integrin-linked kinase (ILK), interacts with the cytoplasmic domain of beta-1 integrin. ILK encodes a predicted 451-amino acid protein, with an apparent molecular weight of 59 kD. The ILK protein is a serine/threonine protein kinase with 4 ankyrin-like repeats. ILK regulates integrin-mediated signal transduction.
Molecular Weight:	51373
Gene ID:	16202
NCBI Accession:	NP_001155196 , NP_034692
UniProt:	O55222
Pathways:	Regulation of Muscle Cell Differentiation , Regulation of Cell Size , Maintenance of Protein Location , Skeletal Muscle Fiber Development , Smooth Muscle Cell Migration

Application Details

Application Notes:	WB: 1:1000. IHC-P: 1:50~100. IHC-P: 1:50~100
Restrictions:	For Research Use only

Handling

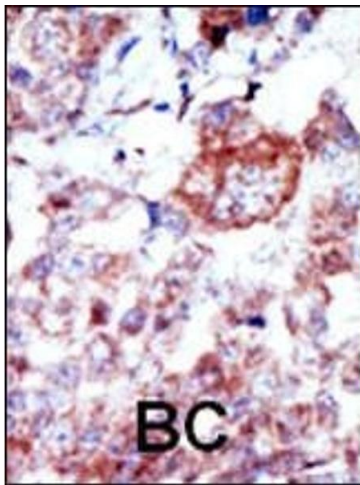
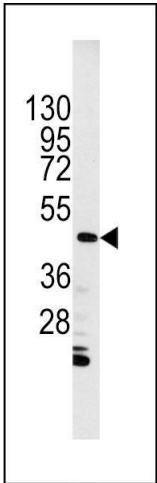
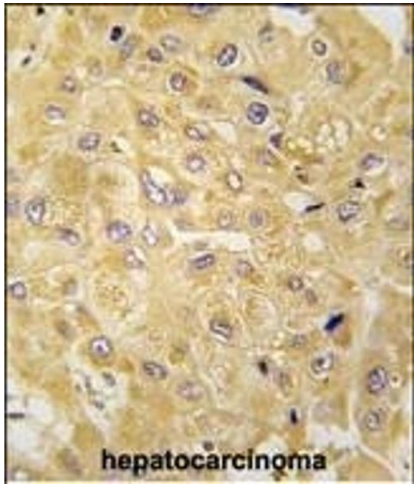
Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months

Publications

Product cited in:	Sadeghi, Ullenhag, Wagenius, Tötterman, Eriksson: "Rapid expansion of T cells: Effects of
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culture and cryopreservation and importance of short-term cell recovery." in: **Acta oncologica**
(Stockholm, Sweden), Vol. 52, Issue 5, pp. 978-86, (2013) ([PubMed](#)).

Images



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Formalin-fixed and paraffin-embedded human hepatocarcinoma tissue reacted with ILK1/ILK2 Antibody (N-term) (ABIN391993 and ABIN2841781) , which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry, clinical relevance has not been evaluated.

Western Blotting

Image 2. Western blot analysis of anti-ILK1 Pab (ABIN391993 and ABIN2841781) in HL60 cell lysate. ILK1 (Arrow) was detected using purified Pab. Secondary HRP-anti-rabbit was used for signal visualization with chemiluminescence.

Immunohistochemistry (Paraffin-embedded Sections)

Image 3. Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry, clinical relevance has not been evaluated. BC = breast carcinoma, HC = hepatocarcinoma.