

Datasheet for ABIN391993
anti-ILK antibody (N-Term)



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Overview

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

Product Details

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| 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

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| Target: | ILK |
|---------|-----|

Target Details

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

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

Handling

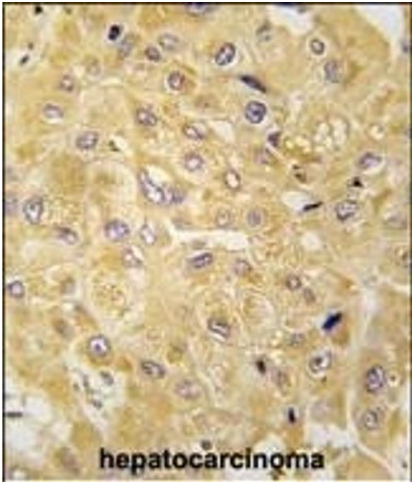
| | |
|--------------------|--|
| Format: | Liquid |
| Buffer: | Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide. |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained 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: Schramm, Opitz, Thies, Seifert, Moch, Weder, Soltermann: "Prognostic significance of epithelial-mesenchymal transition in malignant pleural mesothelioma." in: **European journal of cardio-thoracic surgery : official journal of the European Association for Cardio-thoracic Surgery**, Vol. 37, Issue 3, pp. 566-72, (2010) ([PubMed](#)).

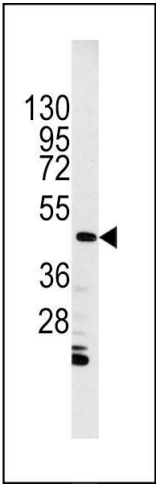
Samara, Laguinge, Jessup: "Carcinoembryonic antigen inhibits anoikis in colorectal carcinoma cells by interfering with TRAIL-R2 (DR5) signaling." in: **Cancer research**, Vol. 67, Issue 10, pp. 4774-82, (2007) ([PubMed](#)).

Images



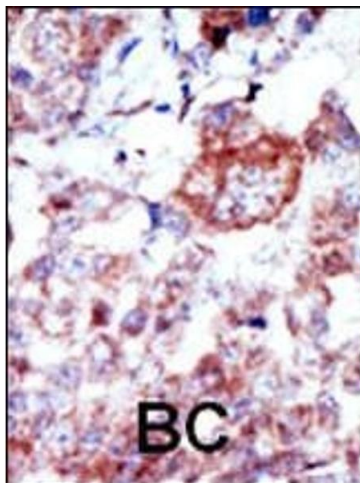
Immunohistochemistry (Paraffin-embedded Sections)

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.