

## **Human/Mouse/Rat ILK Antibody**

Monoclonal Mouse IgG<sub>2B</sub> Clone # 443208 Catalog Number: MAB4266

DESCRIPTION	
Species Reactivity	Human/Mouse/Rat
Specificity	Detects human, mouse, and rat ILK in Western blots.
Source	Monoclonal Mouse IgG <sub>2B</sub> Clone # 443208
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	E. coli-derived recombinant human ILK Met1-Lys452 Accession # Q13418
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.

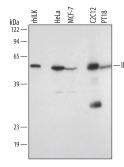
#### APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.

	Recommended Concentration	Sample
Western Blot	1 μg/mL	See Below

#### DATA

# Western Blot



Detection of Human/Mouse/Rat ILK by Western Blot. Western Blot. Western blot shows lysates of HeLa human cervical epithelial carcinoma cell line, MCF-7 human breast cancer cell line, C2C12 mouse myoblast cell line, and PT18 mouse mast/basophil cell line. PVDF membrane was probed with 1 μg/mL Mouse Anti-Human/Mouse/Rat ILK Monoclonal Antibody (Catalog # MAB4266) followed by HRP-conjugated Anti-Mouse IgG Secondary Antibody (Catalog # HAF007). For additional reference, recombinant human ILK (1 ng) was included. A specific band for ILK was detected at approximately 59 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 3.

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**Reconstitution** Reconstitute at 0.5 mg/mL in sterile PBS.

**Shipping**The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

\*Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C

- 12 months from date of receipt, -20 to -70 °C as supplied.
- 1 month, 2 to 8 °C under sterile conditions after reconstitution
- 6 months, -20 to -70 °C under sterile conditions after reconstitution.

### **BACKGROUND**

Integrin-linked kinase (ILK) is an ankyrin repeat-containing serine/threonine protein kinase that interacts with the cytoplasmic domain of  $\beta1$  and  $\beta3$  integrins. ILK functions with multiple binding partners to transmit signals from the extracellular matrix to actin filaments, regulating such processes as cellular attachment, cell cycle progression, and cytoskeletal organization. ILK kinase activity is induced by PI3 kinase and negatively regulated by the tumor suppressor PTEN.

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