

## Anti-ILK Antibody (3J462)

### Product Details

|               |                         |
|---------------|-------------------------|
| Ig Type:      | Rabbit IgG              |
| Reactivity:   | Human, Mouse            |
| Conjugation:  | Unconjugated            |
| Clone:        | 3J462                   |
| Purification: | Affinity-chromatography |

### Applications

|                    |  |
|--------------------|--|
| Verified Activity: | <p>1. Western Blot</p> <ul style="list-style-type: none"><li>-Positive WB detected in: Hela whole cell lysate, HL60 whole cell lysate, A549 whole cell lysate, Mouse kidney tissue</li><li>-All lanes: ILK antibody at 1:2000</li><li>-Secondary: Goat polyclonal to rabbit IgG at 1/50000 dilution</li><li>-Predicted band size: 52, 45, 37 kDa</li><li>-Observed band size: 51 kDa</li></ul> <p>2. Immunofluorescence staining of MCF7 Cells with TMAH-00631 at 1:50, counter-stained with DAPI. The cells were fixed in 4% formaldehyde and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. Nuclear DNA was labeled in blue with DAPI. The secondary antibody was FITC-conjugated AffiniPure Goat Anti-Rabbit IgG (H+L).</p> <p>3. Immunoprecipitating ILK in Hela whole cell lysate</p> <ul style="list-style-type: none"><li>-Lane 1: Rabbit control IgG instead of TMAH-00631 in Hela whole cell lysate.</li></ul> <p>For western blotting, a HRP-conjugated Protein G antibody was used as the secondary antibody (1/2000)</p> <ul style="list-style-type: none"><li>-Lane 2: TMAH-00631(2µg)+ Hela whole cell lysate(500µg)</li><li>-Lane 3: Hela whole cell lysate (10µg)</li></ul> |
| Application:       | ELISA,IF,IP,WB   |
| Recommended        | WB:1:500-1:5000; IF:1:20-1:200; IP:1:200-1:1000.   |

### Properties

|                      |   |
|----------------------|---|
| Stability & Storage: | Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. |
| Shipping:            | Shipping with blue ice.   |

### Antigen Details

Immunogen: A synthetic peptide: Human ILK  
Antigen Species: Human  
Gene ID: 3611  
Uniprot ID: Q13418  
Biology Area: Signal transduction

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### Research Background

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. Regulates cell motility by forming a complex with PARVB. Phosphorylates beta-1 and beta-3 integrin subunit on serine and threonine residues, but also AKT1 and GSK3B.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481