

## Certificate of Analysis

### CAKPAK Miniature Set Catalog # 17-177

| Antibody                       | Anti-Human Focal Adhesion Kinase (p125 <sup>FAK</sup> )<br>(rabbit polyclonal IgG)      | Anti-Pyk2<br>(rabbit polyclonal IgG)                             | Anti ILK<br>(rabbit polyclonal IgG)   |
|--------------------------------|---|--|---|
| Catalog #                      | 06-543-MN   | 06-559-MN  | 06-550-MN   |
| [Immunoblot]                   | use 1-4µg/ml  | use 0.5-2µg/ml   | use 0.5-2g/ml   |
| Amount                         | 25µg in 25µl  | 25µg in 25µl   | 25µg in 25µl  |
| Physical Form                  | Frozen solution   | Frozen solution  | Liquid at -20°C   |
| Storage & Stability            | 2 years at -20°C  | 2 years at -20°C   | 2 years at -20°C  |
| Immunogen                      | pGEX-derived fusion protein containing residues 748-1053 of human p125 <sup>FAK</sup> . | GST-fusion protein containing amino acids 726-863 of human Pyk2. | GST fusion protein containing the kinase domain of human p59 <sup>ILK</sup> . |
| Purification                   | protein A   | protein A  | protein A   |
| Known Species Cross-Reactivity | Human, hamster, mouse, rat, <b>not</b> avian.   | Human, mouse   | Human, mouse, rat   |
| Additional Applications        | IP  | IP   | none recommended  |

#### Antibodies also available individually:

| Antibody | Catalog # | Pack Size |
|----------|-----------|-----------|
| FAK      | 06-543    | 200µg     |
| Pyk2     | 06-559    | 250µg     |
| ILK      | 06-550    | 250µg     |

FOR RESEARCH USE ONLY  
NOT FOR USE IN HUMANS

### Immunoblot Protocol

1. Perform SDS-polyacrylamide gel electrophoresis (SDS-PAGE) on a cell lysate sample (cell lysis buffer: 50mM Tris-HCl, pH7.4; 1% NP-40; 0.25% sodium deoxycholate; 150mM NaCl; 1mM EGTA; 1mM PMSF; 1 $\mu$ g/ml aprotinin, leupeptin, pepstatin; 1mM Na<sub>3</sub>VO<sub>4</sub>; 1mM NaF) and transfer the proteins to nitrocellulose. Wash the blotted nitrocellulose twice with water.
2. Block the blotted nitrocellulose in freshly prepared PBS containing 3% nonfat dry milk (PBS-MLK) for 60 minutes at 20-25°C with constant agitation.
3. Incubate the nitrocellulose with the indicated amount of primary antibody, diluted in freshly prepared PBS-MLK overnight with agitation at 4°C. **Note:** The use of 0.05% Tween may enhance detection of p125<sup>FAK</sup>.
4. Wash the nitrocellulose twice with water for 5 minutes. water for 5 minutes.
5. Incubate the nitrocellulose in the secondary reagent of choice in PBS-MLK for 1.5 hours at room temperature with agitation.
6. Wash the nitrocellulose with water two times for 5 minutes.
7. Wash the nitrocellulose in PBS-0.05% Tween 20 for 3-5 minutes.
8. Rinse the nitrocellulose in 4-5 changes of water.
9. Use detection method of choice (enhanced chemiluminescence was used).