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## Certificate of Analysis

### CAKPAK Miniature Set Catalog # 17-177 Lot # JBC1362581

Antibody	Anti-Human Focal Adhesion Kinase (p125 <sup>FAK</sup> ) (rabbit polyclonal IgG)	Anti-Pyk2 (rabbit polyclonal IgG)	Anti ILK (rabbit immunoaffinity purified IgG)
Catalog #	06-543-MN	06-559-MN	06-592-MN
Lot #	24738	26172	26173
[Immunoblot]	use 1-4 µg/mL	use 0.5-2 µg/mL	use 0.5-2 µg/mL
Amount	25 µg in 25 µL	25 µg in 25 µL	25 µg in 47 µL
Physical Form	Frozen solution	Frozen solution	Frozen solution
Storage & Stability	2 years at -20°C	2 years at -20°C	1 year 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 ILK.
Purification	protein A	protein A	immunoaffinity
Known Species Cross-Reactivity	Human, hamster, mouse, rat, <b>not</b> avian.	Human, mouse	Human, mouse, rat
Additional Applications	IP	IP	IP

#### Antibodies also available individually:

Antibody	Catalog #	Pack Size
FAK	06-543	200µg
Pyk2	06-559	250µg
ILK	06-592	100µg

**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: 50 mM Tris-HCl, pH7.4; 1% NP-40; 0.25% sodium deoxycholate; 150 mM NaCl; 1mM EGTA; 1mM PMSF; 1 µg/mL aprotinin, leupeptin, pepstatin; 1 mM Na<sub>3</sub>VO<sub>4</sub>; 1 mM 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 room temperature 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.
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).