

CAKPAK Miniature Set

Catalog # 17-177

Antibody	Anti-Human Focal Adhesion Kinase (p125 ^{FAK}) rabbit polyclonal IgG	Anti-Human Pyk2 (tyrosine kinase) rabbit polyclonal IgG	Anti Integrin Linked Kinase (ILK) rabbit polyclonal IgG
Catalog #	06-543-MN	06-559-MN	06-550-MN
[Immunoblot]	use 1-4µg/ml	use 1-4µg/ml	use 1µg/ml
Amount	25µg in 25µl	25 µg in 25 µl	25 µg in 25 µl
Physical Form	Frozen solution	Frozen solution	Frozen solution
Storage & Stability	Stable for 1 year at -20°C from the date of shipment	Stable for 2 years at -20°C from the date of shipment	Stable for 2 years at -20°C from the date of shipment
Immunogen	pGEX-derived fusion protein containing residues 748-1053 of human p125 ^{FAK} .	GST fusion protein containing amino acids 726-863 of human Pyk2.	GST fusion protein containing the kinase domain of human p59 ^{ILK} .
Purification	protein A	protein A	protein A
Known Species Cross-Reactivity	hamster, mouse, rat, not avian.	mouse	mouse, rat
Additional Applications	IP	ICC	none recommended

Antibodies also available individually:

Antibody	Catalog Number	Pack Size
Anti-Human Focal Adhesion Kinase	06-543	200µg in 200µl
Anti-Human Pyk2 (tyrosine kinase)	06-559	250µg in 250µl
Anti Integrin Linked Kinase (ILK)	06-550	250µg in 250µl

**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; 1µg/ml aprotinin, leupeptin, pepstatin; 1mM Na₃VO₄; 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 20 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^{FAK}.
4. Wash the nitrocellulose twice with water for 5 min.
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 for 5 min twice.
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).