Product datasheet

# Anti-FAP Antibody

**Catalog Number: *A00422-5***

BOSTER®
antibody and ELISA experts
**BOSTER BIOLOGICAL TECHNOLOGY**
Building C21, 3rd to 5th Floors, Optics Valley Biopharmaceutical Accelerator,
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***Web:*** www.boster.com ***Phone:*** 027-67845390/1/2 ***Email:*** boster@boster.com

## Basic Information

| | |
|---|---|
| **Product Name** | Anti-FAP Antibody |
| **Gene Name** | FAP |
| **Source** | Rabbit |
| **Clonality** | Polyclonal |
| **Isotype** | IgG |
| **Species Reactivity** | human |
| **Tested Application** | WB, FCM, ELISA |
| **Contents** | 500 ug/ml antibody with PBS, 0.02% NaN3, 1 mg/ml BSA and 50% glycerol. |
| **Immunogen** | E. coli-derived human Fibroblast activation protein, alpha/FAP recombinant protein (Position: Q65-Q580). Human FAP shares 89.1% amino acid (aa) sequence identity with mouse FAP. |
| **Concentration** | 500 ug/ml |
| **Purification** | Immunogen affinity purified. |
| **Observed MW** | 97 kDa |
| **Dilution Ratios** | Western blot (WB): 1:500-2000<br>Flow Cytometry (Fixed): 1:50-200<br>Enzyme linked immunosorbent assay (ELISA):1:100-1000 |

## Storage

12 months from date of receipt，-20℃ as supplied.

## Background Information

Fibroblast activation protein alpha (FAP-alpha) also known as prolyl endopeptidase FAP is an enzyme that in humans is encoded by the FAP gene. The protein encoded by this gene is a homodimeric integral membrane gelatinase belonging to the serine protease family. It is selectively expressed in reactive stromal fibroblasts of epithelial cancers, granulation tissue of healing wounds, and malignant cells of bone and soft tissue sarcomas. This protein is thought to be involved in the control of fibroblast growth or epithelial-mesenchymal interactions during development, tissue repair, and epithelial carcinogenesis. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.

## Reference

Anti-FAP Antibody被引用在1文献中。

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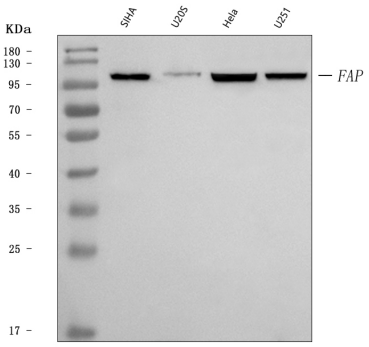
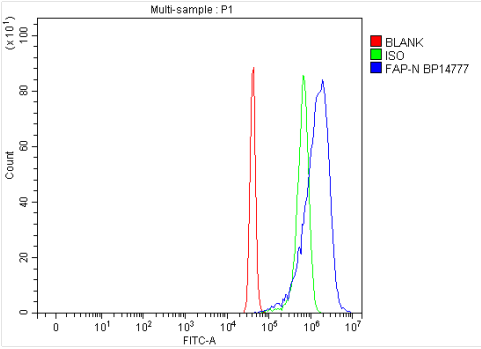
## Selected Validation Data




Western blot analysis of FAP using anti-FAP antibody (A00422-5). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.
Lane 1: SIHA whole cell lysates,
Lane 2: U2OS whole cell lysates,
Lane 3: Hela whole cell lysates,
Lane 4: U251 whole cell lysates.
After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-FAP antigen affinity purified polyclonal antibody (A00422-5) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for FAP at approximately 97 kDa. The expected band size for FAP is at 88 kDa.




Flow Cytometry analysis of SiHa cells using anti-FAP antibody (A00422-5). Overlay histogram showing SiHa cells stained with A00422-5 (Blue line). To facilitate intracellular staining, cells were fixed with 4% paraformaldehyde and permeabilized with permeabilization buffer. The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-FAP Antibody (A00422-5) at 1:100 dilution for 30 min at 20°C. DyLight®488 conjugated goat anti-rabbit IgG (BA1127) was used as secondary antibody at 1:100 dilution for 30 minutes at 20°C. Isotype control antibody (Green line) was rabbit IgG at 1:100 dilution used under the same conditions. Unlabelled sample without incubation with primary antibody and secondary antibody (Red line) was used as a blank control.