

## Product Datasheet

# Fanca/FAA Rabbit Polyclonal Antibody (orb1152348)

|                             |  |
|-----------------------------|--|
| <b>Catalog Number</b>       | orb1152348   |
| <b>Category</b>             | Antibodies   |
| <b>Description</b>          | Anti-Fanca/FAA Antibody. Tested in ELISA, Flow Cytometry, WB applications. This antibody reacts with Mouse, Rat. |
| <b>Target</b>               | Fanconi anemia group A protein homolog   |
| <b>Clonality</b>            | Polyclonal   |
| <b>Species/Host</b>         | Rabbit   |
| <b>Isotype</b>              | Rabbit IgG   |
| <b>Conjugation</b>          | Unconjugated   |
| <b>Reactivity</b>           | Mouse, Rat   |
| <b>Form/Appearance</b>      | Lyophilized  |
| <b>Concentration</b>        | Adding 0.2 ml of distilled water will yield a concentration of 500 µg/ml.  |
| <b>Buffer/Preservatives</b> | Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na <sub>2</sub> HPO <sub>4</sub> .                        |
| <b>Reconstitution</b>       | Adding 0.2 ml of distilled water will yield a concentration of 500 µg/ml.  |
| <b>Purification</b>         | Immunogen affinity purified.   |
| <b>Immunogen</b>            | E.coli-derived mouse Fanca/FAA recombinant protein (Position: E1272-F1439).                                      |
| <b>UniProt ID</b>           | <b>Q9JL70</b>  |

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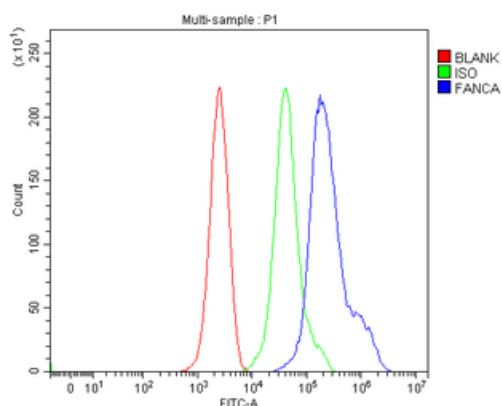
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|                            |   |
|----------------------------|---|
| <b>MW</b>                  | 180 kDa   |
| <b>Tested applications</b> | ELISA, FC, WB   |
| <b>Dilution range</b>      | Western blot, 0.25-0.5 µg/ml, Mouse, Rat Flow Cytometry (Fixed), 1-3 µg/1x10 <sup>6</sup> cells, Mouse ELISA, 0.1-0.5 µg/ml             |
| <b>Cross Reactivity</b>    | No cross-reactivity with other proteins.  |
| <b>Antibody Type</b>       | Primary Antibody  |
| <b>Storage</b>             | Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles. |
| <b>Note</b>                | For research use only   |
| <b>Expiration Date</b>     | 12 months from date of receipt.   |



Flow Cytometry analysis of ANA-1 cells using anti-Fanca/FAA antibody. Overlay histogram showing ANA-1 cells (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-Fanca/FAA Antibody (1 µg/1x10<sup>6</sup> cells) for 30 min at 20°C. DyLight®488 conjugated goat anti-rabbit IgG (5-10 µg/1x10<sup>6</sup> cells) was used as secondary antibody for 30 minutes at 20°C. Isotype control antibody (Green line) was rabbit IgG (1 µg/1x10<sup>6</sup>) used under the same conditions. Unlabelled sample without incubation with primary antibody and secondary antibody (Red line) was used as a blank control.

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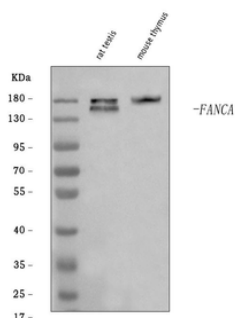
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Western blot analysis of Fanca/FAA using anti-Fanca/FAA antibody. Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: rat testis tissue lysates, Lane 2: mouse thymus tissue lysates. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-Fanca/FAA antigen affinity purified polyclonal antibody at 0.5  $\mu$ g/mL overnight at 4°C, then washed with TBS-0.1% Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for Fanca/FAA at approximately 180 kDa. The expected band size for Fanca/FAA is at 161 kDa.

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