

Product datasheet

Anti-FKBP51 antibody [Hi51B] ab79844

KO VALIDATED

2 Images

Overview

| | |
|----------------------------|---|
| Product name | Anti-FKBP51 antibody [Hi51B] |
| Description | Mouse monoclonal [Hi51B] to FKBP51 |
| Host species | Mouse |
| Tested applications | Suitable for: ICC/IF, WB |
| Species reactivity | Reacts with: Mouse, Rat, Rabbit, Hamster, Dog, Human |
| Immunogen | Full length Human FKBP51, binding epitope in TPR domain |
| Positive control | WB: HeLa cell lysate, rat kidney and rat and mouse testes tissue lysates. |

Properties

| | |
|-----------------------------|---|
| Form | Liquid |
| Storage instructions | Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C. |
| Storage buffer | Preservative: 0.09% Sodium Azide Constituents: 50% Glycerol, PBS |
| Purity | Immunogen affinity purified |
| Clonality | Monoclonal |
| Clone number | Hi51B |
| Isotype | IgG |

Applications

Our [Abpromise guarantee](#) covers the use of **ab79844** in the following tested applications.

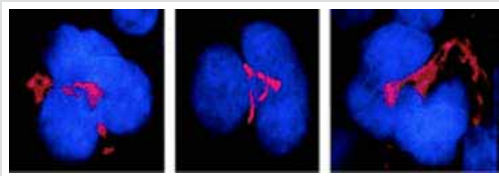
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

| Application | Abreviews | Notes |
|-------------|-----------|---|
| ICC/IF | | 1/100. |
| WB | | 1/2000. Predicted molecular weight: 51 kDa. |

Target

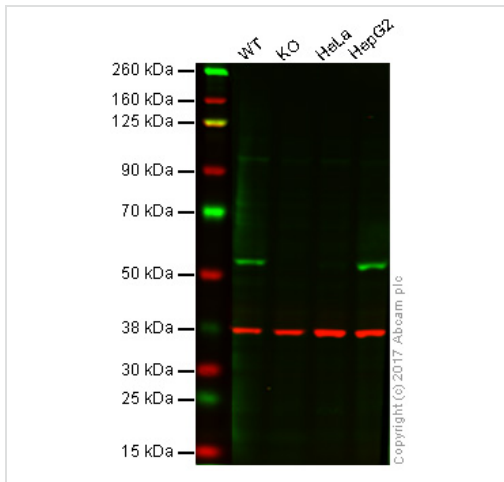
| | |
|---|--|
| Function | Interacts with functionally mature heterooligomeric progesterone receptor complexes along with HSP90 and TEBP. |
| Tissue specificity | Widely expressed, enriched in testis compared to other tissues. |
| Sequence similarities | Contains 2 PPase FKBP-type domains. Contains 3 TPR repeats. |
| Post-translational modifications | Phosphorylated upon DNA damage, probably by ATM or ATR. |
| Cellular localization | Cytoplasm. Nucleus. |

Images



Immunocytochemistry/ Immunofluorescence - Anti-FKBP51 antibody [Hi51B] (ab79844)

ab79844 at 1/100 dilution staining FKBP51 in normal MK cells (IF localization shown in red) by Immunocytochemistry/ immunofluorescence.



Western blot - Anti-FKBP51 antibody [Hi51B]
(ab79844)

Lane 1: Wild-type HAP1 whole cell lysate (20 μ g)

Lane 2: FKBP51 knockout HAP1 whole cell lysate (20 μ g)

Lane 3: HeLa whole cell lysate (20 μ g)

Lane 4: HepG2 whole cell lysate (20 μ g)

Lanes 1 - 4: Merged signal (red and green).
Green - ab79844 observed at 51 kDa. Red - loading control, ab181602, observed at 37 kDa.

ab79844 was shown to recognize FKBP51 in wild-type HAP1 cells as signal was lost at the expected MW in FKBP51 knockout cells. Additional cross-reactive bands were observed in the wild-type and knockout cells. Wild-type and FKBP51 knockout samples were subjected to SDS-PAGE. ab79844 and ab181602 (Rabbit anti-GAPDH loading control) were incubated overnight at 4°C at 1/2000 dilution and 1/20000 dilution respectively. Blots were developed with Goat anti-Mouse IgG H&L (IRDye® 800CW) preabsorbed ab216772 and Goat anti-Rabbit IgG H&L (IRDye® 680RD) preabsorbed ab216777 secondary antibodies at 1/20000 dilution for 1 hour at room temperature before imaging.

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