

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.

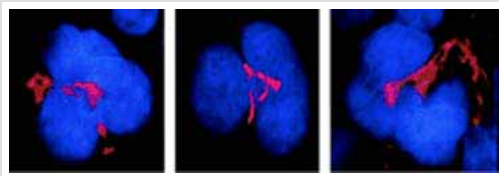
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

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

Target

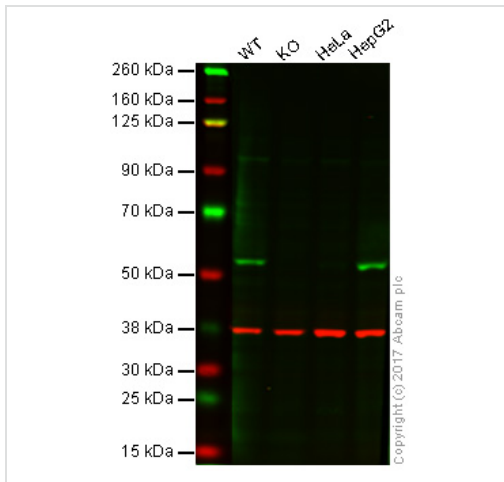
Function	Interacts with functionally mature heterooligomeric progesterone receptor complexes along with HSP90 and TEBP.
Tissue specificity	Widely expressed, enriched in testis compared to other tissues.
Sequence similarities	Contains 2 PPase FKBP-type domains. Contains 3 TPR repeats.
Post-translational 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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