

Product datasheet

Anti-FKBP51 antibody [Hi51B] ab79844

KO VALIDATED

[1 References](#) [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, Human
Immunogen	Full length Human FKBP51, binding epitope in TPR domain
Positive control	WB: HeLa whole cell lysate (ab150035), rat kidney and rat and mouse testes tissue lysates.
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

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: PBS, 50% Glycerol (glycerin, glycerine)
Purity	Immunogen affinity purified
Clonality	Monoclonal
Clone number	Hi51B
Isotype	IgG1

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab79844 in the following tested applications.

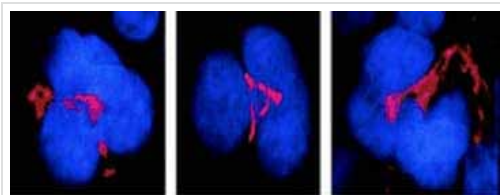
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

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

Target

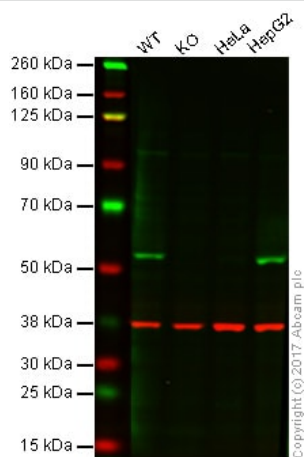
Function	Interacts with functionally mature heterooligomeric progesterone receptor complexes along with HSP90 and TEBP.
Tissue specificity	Widely expressed, enriched in testis compared to other tissues.
Sequence similarities	Contains 2 PPase FKBP-type domains. Contains 3 TPR repeats.
Post-translational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

Images



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

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



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

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

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

Lane 3: HeLa whole cell lysate (20 µg)

Lane 4: HepG2 whole cell lysate (20 µg)

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.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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