

Product datasheet

Anti-FKBP51 antibody ab2901

★★★★★ 2 Abreviews 9 References 2 Images

Overview

Product name	Anti-FKBP51 antibody
Description	Rabbit polyclonal to FKBP51
Tested applications	Suitable for: WB, IP, IHC-P
Species reactivity	Reacts with: Mouse, Rat, Hamster, Dog, Human, Xenopus laevis, Non human primates
Immunogen	Synthetic peptide corresponding to Human FKBP51 aa 394-407. Sequence: CQKKAKEHNERDRR Database link: Q13451 (Peptide available as ab4924) Run BLAST with Run BLAST with
Positive control	WB: HeLa cell lysate. K562, HepG2, PC-3 and MCF7 nuclear enriched extracts.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	Preservative: 0.05% Sodium azide Constituents: 0.1% BSA, PBS
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab2901** in the following tested applications.

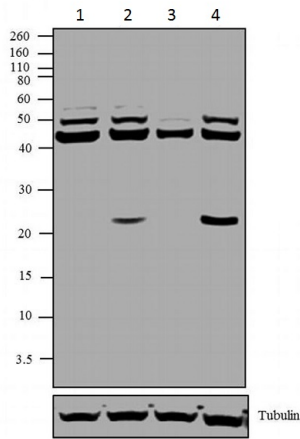
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB	★★★★★	Use a concentration of 1 µg/ml. Detects a band of approximately 51 kDa. Can be blocked with FKBP51 peptide (ab4924) . By Western blot, this antibody detects an ~51 kDa protein representing FKBP 51 in HeLa cell lysate. By Western blot this antibody also detects FKBP 51 in whole tissue extracts from rat kidney and rat and mouse testes.
IP		Use at an assay dependent concentration.
IHC-P		Use at an assay dependent concentration. PubMed: 20422297

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 PPlase FKBP-type domains. Contains 3 TPR repeats.
Post-translational modifications	Phosphorylated upon DNA damage, probably by ATM or ATR.
Cellular localization	Cytoplasm. Nucleus.

Images



Western blot - Anti-FKBP51 antibody (ab2901)

All lanes : Anti-FKBP51 antibody (ab2901) at 2 µg/ml

Lane 1 : K562 (human chronic myelogenous leukemia cell line from bone marrow) nuclear enriched extract

Lane 2 : HepG2 (human liver hepatocellular carcinoma cell line) nuclear enriched extract

Lane 3 : PC-3 (human prostate adenocarcinoma cell line) nuclear enriched extract

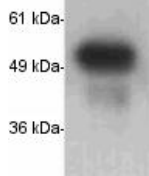
Lane 4 : MCF7 (human breast adenocarcinoma cell line) nuclear enriched extract

Lysates/proteins at 30 µg per lane.

Secondary

Goat anti-Rabbit IgG (H+L) at 1/2500 dilution

Approximately 51 and 45 kDa bands corresponding to FKBP51 were observed across cell lines tested



Western blot - FKBP51 antibody (ab2901)

Anti-FKBP51 antibody (ab2901) at 2 µg/ml + HeLa (human epithelial cell line from cervix adenocarcinoma) cell lysate

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