


Product datasheet

Anti-FKBP52 antibody ab84536

1 References 4 Images

Overview

Product name	Anti-FKBP52 antibody
Description	Rabbit polyclonal to FKBP52
Host species	Rabbit
Tested applications	Suitable for: IHC-P
Species reactivity	Reacts with: Human Predicted to work with: Rat, Rabbit, Guinea pig, Cow, Pig, Chimpanzee, Rhesus monkey, Opossum, Corn, Orangutan 
Immunogen	Synthetic peptide corresponding to a region within N terminal residues 1 - 50 of Human FKBP52 (NP_002005.1)
Positive control	Human breast, colon, ovarian or prostate carcinomas.
General notes	<p>Reproducibility is key to advancing scientific discovery and accelerating scientists' next breakthrough.</p> <p>Abcam is leading the way with our range of recombinant antibodies, knockout-validated antibodies and knockout cell lines, all of which support improved reproducibility.</p> <p>We are also planning to innovate the way in which we present recommended applications and species on our product datasheets, so that only applications & species that have been tested in our own labs, our suppliers or by selected trusted collaborators are covered by our Abpromise™ guarantee.</p> <p>In preparation for this, we have started to update the applications & species that this product is Abpromise guaranteed for.</p> <p>We are also updating the applications & species that this product has been “predicted to work with,” however this information is not covered by our Abpromise guarantee.</p> <p>Applications & species from publications and Abreviews that have not been tested in our own labs or in those of our suppliers are not covered by the Abpromise guarantee.</p> <p>Please check that this product meets your needs before purchasing. 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, as well as customer reviews and Q&As.</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	pH: 6.8 Preservative: 0.09% Sodium azide Constituents: 0.1% BSA, Tris buffered saline
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab84536** 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
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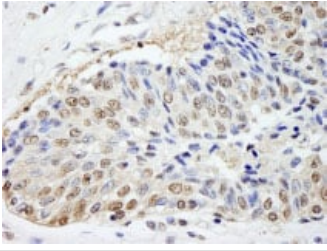
IHC-P

Application notes	IHC-P: 1/100 - 1/500. Antigen retrieval with citrate buffer may optimize staining. Note: expected to work on frozen sections. Not yet tested in other applications. Optimal dilutions/concentrations should be determined by the end user.
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Target

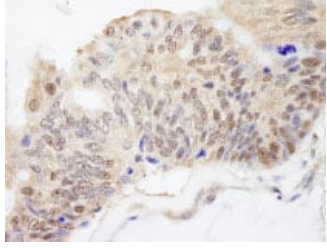
Function	Immunophilin protein with PPlase and co-chaperone activities (By similarity). Component of unliganded steroid receptors heterocomplexes through interaction with heat-shock protein 90 (HSP90). May play a role in the intracellular trafficking of heterooligomeric forms of steroid hormone receptors between cytoplasm and nuclear compartments (By similarity). The isomerase activity controls neuronal growth cones via regulation of TRPC1 channel opening. Acts also as a regulator of microtubule dynamics by inhibiting MAPT/TAU ability to promote microtubule assembly.
Tissue specificity	Widely expressed.
Sequence similarities	Contains 2 PPlase FKBP-type domains. Contains 3 TPR repeats.
Domain	The PPlase activity is mainly due to the first PPlase FKBP-type domain (1-138 AA). The C-terminal region (AA 375-458) is required to prevent tubulin polymerization. The chaperone activity resides in the C-terminal region, mainly between amino acids 264 and 400.
Post-translational modifications	Phosphorylation by CK2 results in loss of HSP90 binding activity (By similarity). Phosphorylated upon DNA damage, probably by ATM or ATR.
Cellular localization	Cytoplasm > cytosol. Nucleus. Cytoplasm > cytoskeleton.

Images



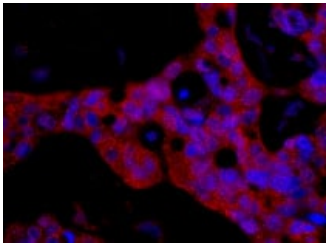
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-FKBP52 antibody (ab84536)

Immunohistochemistry analysis of formalin-fixed, paraffin-embedded Human prostate carcinoma tissue using 1/500 ab84536, followed by DAB staining.



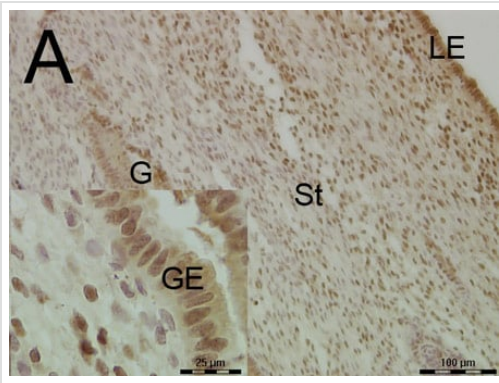
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-FKBP52 antibody (ab84536)

Immunohistochemistry analysis of formalin-fixed, paraffin-embedded Human ovarian carcinoma tissue using 1/500 ab84536, followed by DAB staining.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-FKBP52 antibody (ab84536)

Immunohistochemistry analysis of formalin-fixed, paraffin-embedded Human ovarian carcinoma tissue, using 1/100 ab84536 in conjunction with 1/100 red-fluorescent Goat anti-Rabbit IgG highly cross-adsorbed antibody Hilyte Plus™555.



Immunohistochemical analysis of Human endometrial tissue, staining FKBP52 with ab84536 at 1/300 dilution. Staining was detected using DAB.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-FKBP52 antibody (ab84536)

Image from Wang N et al., PLoS One. 2012;7(3):e34010. Epub 2012 Mar 20. Fig 6.; doi:10.1371/journal.pone.0034010; March 20, 2012, PLoS ONE 7(3): e34010.

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