

## Anti-FKBP8 antibody

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|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Description</b>        | Unconjugated Rabbit polyclonal to FKBP8                                                                                                                        |
| <b>Model</b>              | STJ192156                                                                                                                                                      |
| <b>Host</b>               | Rabbit                                                                                                                                                         |
| <b>Reactivity</b>         | Human, Mouse, Rat                                                                                                                                              |
| <b>Applications</b>       | ELISA, WB                                                                                                                                                      |
| <b>Gene ID</b>            | <a href="#">23770</a>                                                                                                                                          |
| <b>Gene Symbol</b>        | <a href="#">FKBP8</a>                                                                                                                                          |
| <b>Dilution range</b>     | WB 1:500-2000 ELISA 1:5000-20000                                                                                                                               |
| <b>Specificity</b>        | FKBP8 Polyclonal Antibody detects endogenous levels of protein.                                                                                                |
| <b>Tissue Specificity</b> | Widely expressed. Highest levels seen in the brain. Highly abundant in the retina.                                                                             |
| <b>Purification</b>       | FKBP8 antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.                                        |
| <b>Note</b>               | For Research Use Only (RUO).                                                                                                                                   |
| <b>Protein Name</b>       | Peptidyl-prolyl cis-trans isomerase FKBP8 PPIase FKBP8 38 kDa FK506-binding protein 38 kDa FKBP FKBP-38 hFKBP38 FK506-binding protein 8 FKBP-8 FKBP38 Rotamase |
| <b>Molecular Weight</b>   | 45 kDa                                                                                                                                                         |
| <b>Clonality</b>          | Polyclonal                                                                                                                                                     |
| <b>Conjugation</b>        | Unconjugated                                                                                                                                                   |

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| <b>Isotype</b>                          | IgG                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Formulation</b>                      | Liquid form in PBS containing 50% glycerol, and 0.02% sodium azide.                                                                                                                                                                                                                                                                                                                                |
| <b>Concentration</b>                    | 1 mg/ml                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Storage Instruction</b>              | Store at -20°C, and avoid repeat freeze-thaw cycles.                                                                                                                                                                                                                                                                                                                                               |
| <b>Database Links</b>                   | <a href="https://www.ncbi.nlm.nih.gov/omim/37240">HGNC:37240</a> <a href="https://www.ncbi.nlm.nih.gov/omim/604840">MIM:604840</a>                                                                                                                                                                                                                                                                 |
| <b>Alternative Names</b>                | Peptidyl-prolyl cis-trans isomerase FKBP8 PPIase FKBP8 38 kDa FK506-binding protein 38 kDa FKBP FKBP-38 hFKBP38 FK506-binding protein 8 FKBP-8 FKBP38 Rotamase                                                                                                                                                                                                                                     |
| <b>Function</b>                         | Constitutively inactive PPIase, which becomes active when bound to calmodulin and calcium. Seems to act as a chaperone for BCL2, targets it to the mitochondria and modulates its phosphorylation state. The BCL2/FKBP8/calmodulin/calcium complex probably interferes with the binding of BCL2 to its targets. The active form of FKBP8 may therefore play a role in the regulation of apoptosis. |
| <b>Cellular Localization</b>            | Mitochondrion Mitochondrion membrane Isoform 1: Mitochondrion membrane Isoform 3: Mitochondrion membrane                                                                                                                                                                                                                                                                                           |
| <b>Post-translational Modifications</b> | Ubiquitinated by PRKN during mitophagy, leading to its degradation and enhancement of mitophagy. Deubiquitinated by USP30.                                                                                                                                                                                                                                                                         |

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