



Rabbit Anti-FKBP51 antibody

SL11269R

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| Product Name: | FKBP51 |
| Chinese Name: | 类固醇受体复合物蛋白FKBP5抗体 |
| Alias: | FKBP 5; FKBP 51; FKBP 54; FKBP-5; FKBP-51; FKBP5; FKBP5_HUMAN; FKBP54; HSP90 binding immunophilin; HSP90-binding immunophilin; P54 antibody Peptidyl prolyl cis trans isomerase; Peptidyl-prolyl cis-trans isomerase FKBP5; Peptidylprolyl cis trans isomerase; PPIase; PPIase FKBP5; Ptg 10; Ptg10; Rotamase; T cell FK506 binding protein; 51 kDa FK506 binding protein 5; 51 kDa FK506 binding protein; 51 kDa FK506-binding protein; 51 kDa FKBP; 54 kDa progesterone receptor associated immunophilin; 54 kDa progesterone receptor-associated immunophilin; AIG 6; AIG6; Androgen regulated protein 6; Androgen-regulated protein 6; FF1 antigen; FK506 binding protein 5; FK506-binding protein 5; MGC111006; OTTHUMP00000016268. |
| Organism Species: | Rabbit |
| Clonality: | Polyclonal |
| React Species: | Human,Mouse,Rat,Chicken,Dog,Cow,Horse,Rabbit,Sheep, |
| Applications: | ELISA=1:500-1000IHC-P=1:400-800 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user. |
| Molecular weight: | 51kDa |
| Cellular localization: | The nucleuscytoplasmic |
| Form: | Lyophilized or Liquid |
| Concentration: | 1mg/ml |
| immunogen: | KLH conjugated synthetic peptide derived from human FKBP51:201-300/457 |
| Lsotype: | IgG |
| Purification: | affinity purified by Protein A |
| Storage Buffer: | 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol. |
| Storage: | Store at -20 癆 for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20癆. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of |

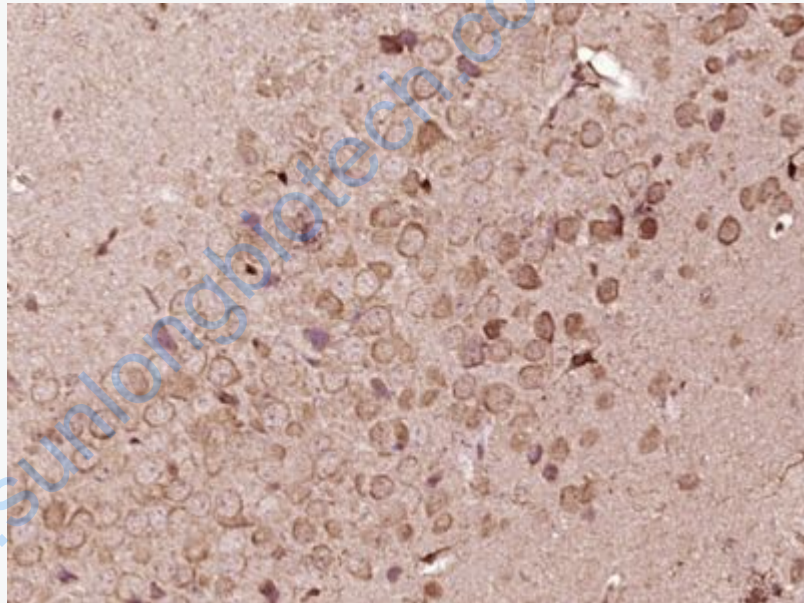
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| | antibody the antibody is stable for at least two weeks at 2-4 癢. |
| PubMed: | PubMed |
| Product Detail: | <p>The immunophilins are a highly conserved family of cis-trans peptidyl-prolyl isomerases that bind to and mediate the effects of immunosuppressive drugs, such as cyclosporin, FK506 and rapamycin (1). Several related immunophilins, FKBP12, FKBP51 and FKBP52, are characterized as cytosolic FK506-binding proteins, and following ligand binding, they functionally inhibit the phosphatase activity of calcineurin (2,3). The ubiquitously expressed FKBP12 also associates with the cytoplasmic domain of the TGFβ type I receptor, where it stabilizes the inactive conformation of the receptor and blocks the activation of the TGFβ pathway (4). FKBP51 and FKBP52 are two highly related proteins (5,6). FKBP51 is predominantly expressed in T cells and is induced by glucocorticoids (5). FKBP51 mediates the effects of FK506 and rapamycin by inhibiting intracellular calcineurin activity, and by blocking T-cell activation and proliferation (7). FKBP52, known also as FKBP-59 or heat shock protein 56, is expressed in a variety of tissues and can also associate with the heat shock protein (hsp90) in mature steroid receptor complexes (6,8).</p> <p>Function: Interacts with functionally mature heterooligomeric progesterone receptor complexes along with HSP90 and TEBP.</p> <p>Subcellular Location: Cytoplasm. Nucleus.</p> <p>Tissue Specificity: Widely expressed, enriched in testis compared to other tissues.</p> <p>Post-translational modifications: Phosphorylated upon DNA damage, probably by ATM or ATR.</p> <p>Similarity: Contains 2 PPIase FKBP-type domains. Contains 3 TPR repeats.</p> <p>SWISS: Q13451</p> <p>Gene ID: 2289</p> <p>Database links: Entrez Gene: 2289Human Entrez Gene: 14229Mouse Entrez Gene: 361810Rat</p> |

[Omin: 602623](#)Human
[SwissProt: Q13451](#)Human
[SwissProt: Q64378](#)Mouse
[Unigene: 407190](#)Human
[Unigene: 276405](#)Mouse

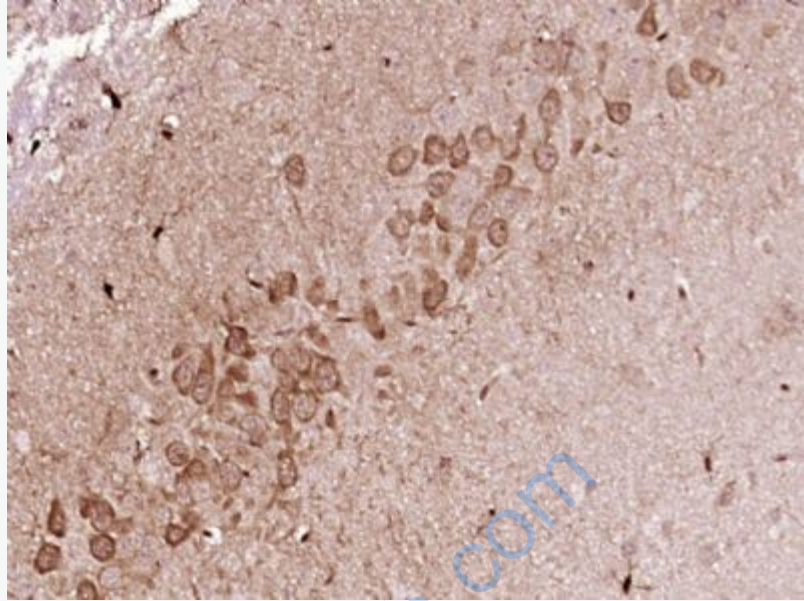
Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Picture:



Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (FKBP51) Polyclonal Antibody, Unconjugated (SL11269R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (Rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (FKBP51) Polyclonal Antibody, Unconjugated (SL11269R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.