

FKBP51 Conjugated Antibody

Catalog No: #C49845



Package Size: #C49845-AF350 100ul #C49845-AF405 100ul #C49845-AF488 100ul

#C49845-AF555 100ul #C49845-AF594 100ul #C49845-AF647 100ul

#C49845-AF680 100ul #C49845-AF750 100ul #C49845-Biotin 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

Description

| | |
|-----------------------|--|
| Product Name | FKBP51 Conjugated Antibody |
| Host Species | Rabbit |
| Clonality | Monoclonal |
| Species Reactivity | Hu, Rt |
| Immunogen Description | Recombinant protein |
| Conjugates | Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750 |
| Other Names | 51 kDa FK506 binding protein 5 antibody 51 kDa FK506 binding protein antibody 51 kDa FK506-binding protein antibody 51 kDa FKBP antibody 54 kDa progesterone receptor associated immunophilin antibody 54 kDa progesterone receptor-associated immunophilin antibody AIG 6 antibody AIG6 antibody Androgen regulated protein 6 antibody Androgen-regulated protein 6 antibody FF1 antigen antibody FK506 binding protein 5 antibody FK506-binding protein 5 antibody FKBP 5 antibody FKBP 51 antibody FKBP 54 antibody FKBP-5 antibody FKBP-51 antibody FKBP5 antibody FKBP5_HUMAN antibody FKBP54 antibody HSP90 binding immunophilin antibody HSP90-binding immunophilin antibody MGC111006 antibody OTTHUMP00000016268 antibody P54 antibody Peptidyl prolyl cis trans isomerase antibody Peptidyl-prolyl cis-trans isomerase FKBP5 antibody Peptidylprolyl cis trans isomerase antibody PPlase antibody PPlase FKBP5 antibody Ptg 10 antibody Ptg10 antibody Rotamase antibody T cell FK506 binding protein antibody |
| Accession No. | Swiss-Prot#:Q13451 |
| Uniprot | Q13451 |
| GenelD | 2289; |
| Excitation Emission | AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm |
| Calculated MW | 51 kDa |
| Formulation | 0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide |
| Storage | Store at 4°C in dark for 6 months |

Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

Background

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. 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. The ubiquitously expressed FKBP12 also associates with the cytoplasmic domain of the TGF β -type I receptor, where it stabilizes the inactive conformation of the receptor and blocks the activation of the TGF β pathway. FKBP51 and FKBP52 are two highly related proteins. FKBP51 is predominantly expressed in T cells and is induced by glucocorticoids. FKBP51 mediates the effects of FK506 and rapamycin by inhibiting intracellular calcineurin activity, and by blocking T-cell activation and proliferation. 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).

Note: This product is for in vitro research use only