

FKBP5 Antibody (monoclonal) (M02)**Mouse monoclonal antibody raised against a full length recombinant FKBP5.****Catalog # AT2058a****Specification**

FKBP5 Antibody (monoclonal) (M02) - Product Information

Application	IF, WB, E
Primary Accession	Q13451
Other Accession	BC042605
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG2b Kappa
Calculated MW	51212

FKBP5 Antibody (monoclonal) (M02) - Additional Information**Gene ID** 2289**Other Names**

Peptidyl-prolyl cis-trans isomerase FKBP5, PPIase FKBP5, 51 kDa FK506-binding protein, 51 kDa FKBP, FKBP-51, 54 kDa progesterone receptor-associated immunophilin, Androgen-regulated protein 6, FF1 antigen, FK506-binding protein 5, FKBP-5, FKBP54, p54, HSP90-binding immunophilin, Rotamase, FKBP5, AIG6, FKBP51

Target/Specificity

FKBP5 (AAH42605, 1 a.a. ~ 457 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution

WB~~1:500~1000

Format

Clear, colorless solution in phosphate buffered saline, pH 7.2 .

Storage

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Precautions

FKBP5 Antibody (monoclonal) (M02) is for research use only and not for use in diagnostic or therapeutic procedures.

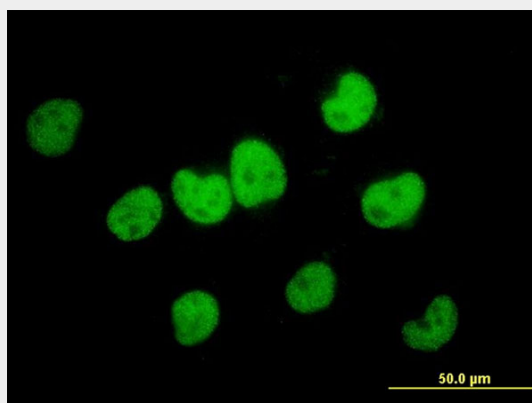
FKBP5 Antibody (monoclonal) (M02) - Protocols

Provided below are standard protocols that you may find useful for product applications.

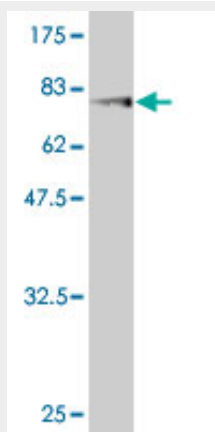
- [Western Blot](#)

- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

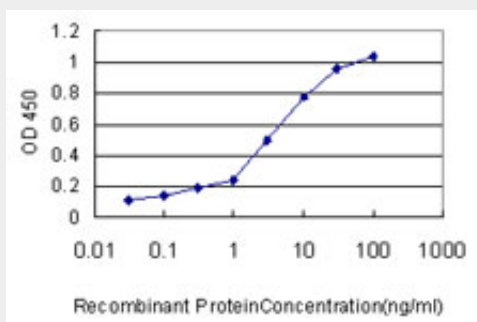
FKBP5 Antibody (monoclonal) (M02) - Images



Immunofluorescence of monoclonal antibody to FKBP5 on HeLa cell . [antibody concentration 10 ug/ml]



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (76.01 KDa) .



Detection limit for recombinant GST tagged FKBP5 is approximately 0.03ng/ml as a capture antibody.

FKBP5 Antibody (monoclonal) (M02) - Background

The protein encoded by this gene is a member of the immunophilin protein family, which play a role in immunoregulation and basic cellular processes involving protein folding and trafficking. This encoded protein is a cis-trans prolyl isomerase that binds to the immunosuppressants FK506 and rapamycin. It is thought to mediate calcineurin inhibition. It also interacts functionally with mature hetero-oligomeric progesterone receptor complexes along with the 90 kDa heat shock protein and P23 protein. This gene has been found to have multiple polyadenylation sites. Alternative splicing results in multiple transcript variants.

FKBP5 Antibody (monoclonal) (M02) - References

Correlation of major depressive disorder symptoms with FKBP5 but not FKBP4 expression in human immunodeficiency virus-infected individuals. Tatro ET, et al. J Neurovirol, 2010 Aug 20. PMID 20726698. Meta-analysis of FKBP5 gene polymorphisms association with treatment response in patients with mood disorders. Zou YF, et al. Neurosci Lett, 2010 Oct 22. PMID 20709156. FKBP5 and resistant attachment predict cortisol reactivity in infants: Gene-environment interaction. Luijk MP, et al. Psychoneuroendocrinology, 2010 May 21. PMID 20547006. Comprehensive copy number variant (CNV) analysis of neuronal pathways genes in psychiatric disorders identifies rare variants within patients. Saus E, et al. J Psychiatr Res, 2010 Apr 14. PMID 20398908. Interaction of FKBP5 with childhood adversity on risk for post-traumatic stress disorder. Xie P, et al. Neuropsychopharmacology, 2010 Jul. PMID 20393453.