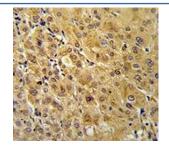


# FKBP1A Antibody / FKBP12 (F54946)

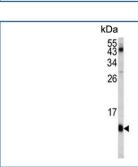
Catalog No.	Formulation	Size
F54946-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F54946-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

## **Bulk quote request**

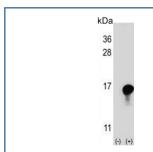
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Purified
UniProt	P62942
Localization	Cytoplasmic
Applications	Flow Cytometry: 1:10-1:50 (1x10e6 cells) Western Blot: 1:500-1:1000 Immunohistochemistry (FFPE): 1:50-1:100
Limitations	This FKBP1A antibody is available for research use only.



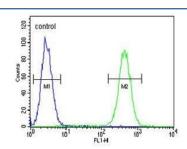
IHC testing of FFPE human hepatocellular carcinoma tissue with FKBP1A antibody. HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.



Western blot testing of human Jurkat cell lysate with FKBP1A antibody. Predicted molecular weight ~12 kDa.



Western blot testing of 1) non-transfected and 2) transfected 293 cell lysate with FKBP1A antibody.



Flow cytometry testing of human MDA-MB-231 cells with FKBP1A antibody; Blue=isotype control, Green= FKBP1A antibody.

### **Description**

FKBP12 is a member of the immunophilin protein family, which play a role in immunoregulation and basic cellular processes involving protein folding and trafficking. The protein is a cis-trans prolyl isomerase that binds the immunosuppressants FK506 and rapamycin. It interacts with several intracellular signal transduction proteins including type I TGF-beta receptor. It also interacts with multiple intracellular calcium release channels, and coordinates multi-protein complex formation of the tetrameric skeletal muscle ryanodine receptor. In mouse, deletion of this homologous gene causes congenital heart disorder known as noncompaction of left ventricular myocardium.

## **Application Notes**

The stated application concentrations are suggested starting points. Titration of the FKBP1A antibody may be required due to differences in protocols and secondary/substrate sensitivity.

#### **Immunogen**

A portion of amino acids 55-83 from the human protein was used as the immunogen for the FKBP1A antibody.

#### **Storage**

Aliquot the FKBP1A antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.