# Anti-FKBP12 Rabbit pAb

Purified Rabbit Polyclonal Antibody

Catalog # P103717

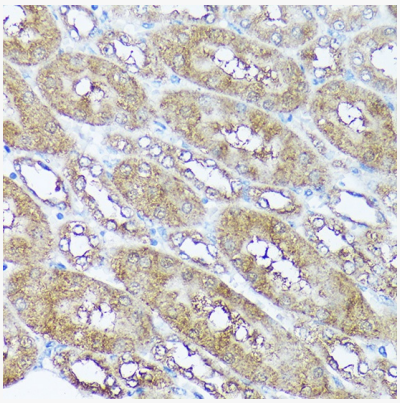
## Product Information

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|---|---|
| Application | WB, IHC-P, ELISA |
| Reactivity | Human, Mouse, Rat |
| Dilution | WB 1:500~1:1000; IHC-P 1:50~1:200 |
| Host | Rabbit |
| Clonality | Polyclonal |
| Isotype | IgG |
| Label | Unconjugated |
| Immunogen | Recombinant fusion protein containing a sequence corresponding to amino acids 2-108 of FKBP12 (NP_000792.1). |
| Format | Affinity purified polyclonal antibody supplied in PBS with 0.02% sodium azide and 50% glycerol, pH 7.3. |
| Storage | Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage. |
| Precautions | Anti-FKBP12 Rabbit pAb is for research use only and not for use in diagnostic or therapeutic procedures. |

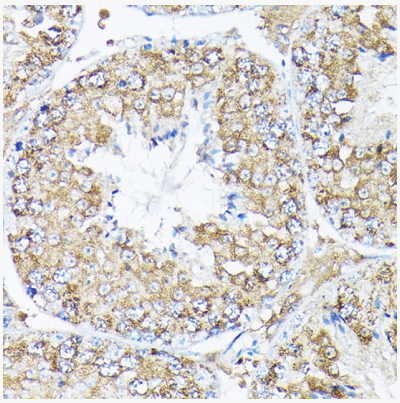
## Protein Information

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|---|---|
| Synonyms | FKBP1; PKC12; PKCI2; FKBP12; PPIASE; FKBP-12; FKBP-1A. |
| Calculated MW | Calculated MW: 12 kDa; Observed MW: 12 kDa |
| Uniprot ID | P62942 |
| Gene ID | 2280 |
| 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. 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. Multiple alternatively spliced variants, encoding the same protein, have been identified. The human genome contains five pseudogenes related to this gene, at least one of which is transcribed. |

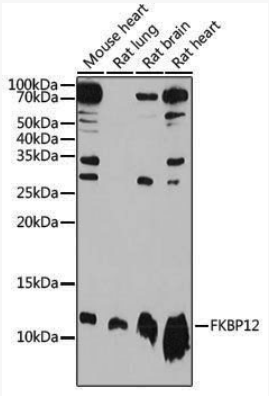
## Validation Images



Immunohistochemistry analysis of paraffin-embedded Mouse kidney using FKBP12 Rabbit pAb (P103717) at dilution of 1:100 (40× lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Mouse testis using FKBP12 Rabbit pAb (P103717) at dilution of 1:100 (40× lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.




Western blot analysis of various lysates using FKBP12 Rabbit pAb (P103717) at 1:1,000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (LF102) at 1:10,000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Kit.
Exposure time: 90s.