

Datasheet for ABIN3030968
anti-FKBP1A antibody (AA 43-74)[Go to Product page](#)

3 Images

Overview

| | |
|----------------------|--|
| Quantity: | 0.4 mL |
| Target: | FKBP1A |
| Binding Specificity: | AA 43-74 |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This FKBP1A antibody is un-conjugated |
| Application: | Western Blotting (WB), Immunohistochemistry (IHC), ELISA |

Product Details

| | |
|-----------------------------|---|
| Immunogen: | A portion of amino acids 43-74 from the human protein was used as the immunogen for this FKBP12 antibody. |
| Isotype: | Ig Fraction |
| Cross-Reactivity (Details): | Expected species reactivity: Mouse, Rat, Bovine, Rabbit |
| Purification: | Purified |

Target Details

| | |
|-------------------|--|
| Target: | FKBP1A |
| Alternative Name: | FKBP12 (FKBP1A Products) |
| Background: | FKBP12 is a member of the immunophilin protein family, which play a role in immunoregulation |

Target Details

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.

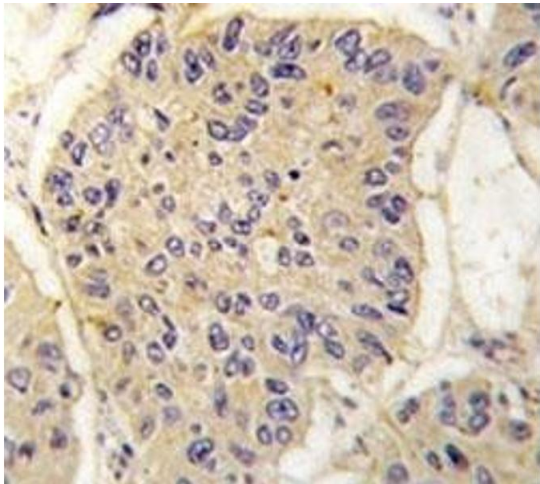
| | |
|-----------|---|
| UniProt: | P62942 |
| Pathways: | Negative Regulation of Transporter Activity , Methionine Biosynthetic Process |

Application Details

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|--------------------|--|
| Application Notes: | Titration of the FKBP12 antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 1:1000,IHC (Paraffin): 1:10-1:50 |
| Restrictions: | For Research Use only |

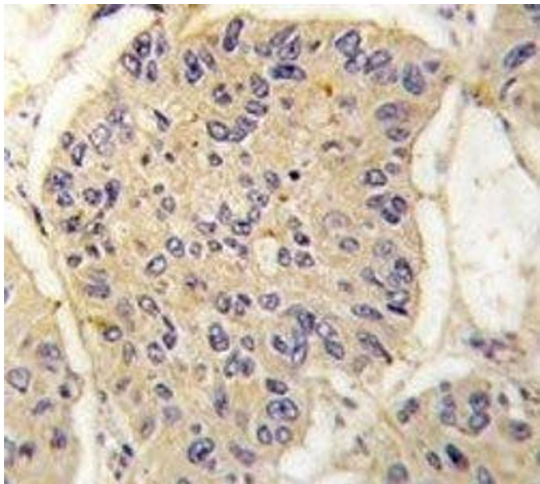
Handling

| | |
|--------------------|--|
| Format: | Liquid |
| Buffer: | In 1X PBS, pH 7.4, with 0.09 % sodium azide |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage: | -20 °C |
| Storage Comment: | Aliquot the FKBP12 antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles. |



Immunohistochemistry

Image 1. IHC analysis of FFPE human lung carcinoma tissue stained with FKBP12 antibody



Immunohistochemistry

Image 2. IHC analysis of FFPE human lung carcinoma tissue stained with FKBP12 antibody



Western Blotting

Image 3. Western blot analysis of FKBP12 antibody and 293 cell lysate either nontransfected (Lane 1) or transiently transfected with the FKBP12 gene (2).