

Datasheet for ABIN2784530
anti-PPIA antibody (Middle Region)



[Go to Product page](#)

2 Images

Overview

| | |
|----------------------|---|
| Quantity: | 100 µL |
| Target: | PPIA |
| Binding Specificity: | Middle Region |
| Reactivity: | Human, Mouse, Rat, Cow, Dog, Goat, Horse, Guinea Pig, Rabbit, Sheep |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This PPIA antibody is un-conjugated |
| Application: | Western Blotting (WB), Immunohistochemistry (IHC) |

Product Details

| | |
|-----------------------|--|
| Immunogen: | The immunogen is a synthetic peptide directed towards the middle region of human PPIA |
| Sequence: | TAKTEWLDGK HVVFGKVKEG MNIVEAMERF GSRNGKTSKK ITIADCGQLE |
| Predicted Reactivity: | Cow: 100%, Dog: 100%, Goat: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 86%, Rat: 100%, Sheep: 100% |
| Characteristics: | This is a rabbit polyclonal antibody against PPIA. It was validated on Western Blot and immunohistochemistry. |
| Purification: | Protein A purified |

Target Details

| | |
|---------|------|
| Target: | PPIA |
|---------|------|

Target Details

| | |
|-------------------|---|
| Alternative Name: | PPIA (PPIA Products) |
| Background: | <p>PPIA is a member of the peptidyl-prolyl cis-trans isomerase (PPIase) family. PPIases catalyze the cis-trans isomerization of proline imidic peptide bonds in oligopeptides and accelerate the folding of proteins. PPIA is a cyclosporin binding-protein and may play a role in cyclosporin A-mediated immunosuppression. The protein can also interact with several HIV proteins, including p55 gag, Vpr, and capsid protein, and has been shown to be necessary for the formation of infectious HIV virions. The protein encoded by this gene is a member of the peptidyl-prolyl cis-trans isomerase (PPIase) family. PPIases catalyze the cis-trans isomerization of proline imidic peptide bonds in oligopeptides and accelerate the folding of proteins. This protein is a cyclosporin binding-protein. It may play a role in cyclosporin A-mediated immunosuppression. This protein can interact with several HIV proteins including p55 gag, Vpr, and capsid protein. It has been shown to be necessary for the formation of infectious HIV virions. Multiple pseudogenes that map to different chromosomes have been reported. Three alternatively spliced transcript variants encoding two distinct isoforms have been observed.</p> <p>Alias Symbols: CYPA, CYPH, MGC117158, MGC12404, MGC23397</p> <p>Protein Interaction Partner: LNX1, HUWE1, UBC, TCF4, FUS, gag, MDM2, RPL23A, SRPK2, SRPK1, ESR1, UBD, TERT, RAD52, VCAM1, ITGA4, FN1, HCVgp1, LIG4, PAXIP1, RB1, APP, CPLX1, SNX3, TAGLN2, SOD1, RPA2, RAD23B, PTMA, IGBP1, ENO1, AKT1, USP4, CDK2, COPS5, CUL1, CUL3, CUL4B, NEDD8, CD99, C</p> <p>Protein Size: 165</p> |
| Molecular Weight: | 18 kDa |
| Gene ID: | 5478 |
| NCBI Accession: | NM_021130 , NP_066953 |
| UniProt: | P62937 |

Application Details

| | |
|--------------------|--|
| Application Notes: | Optimal working dilutions should be determined experimentally by the investigator. |
| Comment: | Antigen size: 165 AA |
| Restrictions: | For Research Use only |

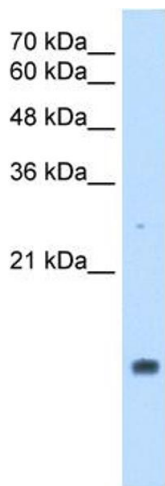
Handling

| | |
|---------|--------|
| Format: | Liquid |
|---------|--------|

Handling

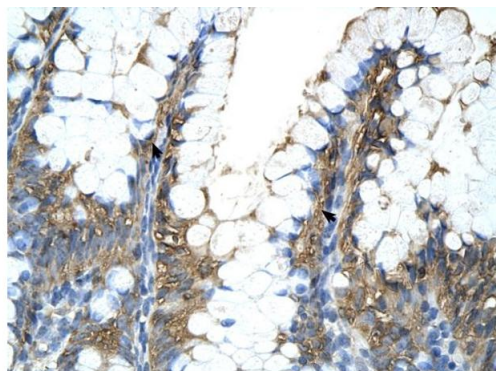
| | |
|--------------------|---|
| Concentration: | Lot specific |
| Buffer: | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose. |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Handling Advice: | Avoid repeated freeze-thaw cycles. |
| Storage: | -20 °C |
| Storage Comment: | For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles. |

Images



Western Blotting

Image 1. WB Suggested Anti-PPIA Antibody Titration: 2.5ug/ml Positive Control: HepG2 cell lysate PPIA is strongly supported by BioGPS gene expression data to be expressed in Human HepG2 cells



Rabbit Anti-PPIA Antibody
Catalog Number: ARP51352
Lot Number: QC17687
Paraffin Embedded Tissue: Human Intestine
Cells with Positive label: Epithelial cells of intestinal villus (Indicated with Arrows)
Antibody Concentration: 4.0-8.0 µg/ml
Magnification: 400X

Immunohistochemistry

Image 2. Human Intestine