10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

# Cyclophilin E Rabbit pAb

Cyclophilin E Rabbit pAb
Catalog # AP55435

## Product Information

| | |
|---|---|
| **Application** | IHC-P, IHC-F, IF |
| **Primary Accession** | Q9UNP9 |
| **Reactivity** | Rat, Mouse |
| **Predicted** | Dog, Human, Horse |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Calculated MW** | 33431 |
| **Physical State** | Liquid |
| **Immunogen** | KLH conjugated synthetic peptide derived from human Cyclophilin E |
| **Epitope Specificity** | 201-301/301 |
| **Isotype** | IgG |
| **Purity** | affinity purified by Protein A |
| **Buffer** | 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. |
| **SUBCELLULAR LOCATION** | Nucleus. |
| **Important Note** | This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications. |
| **Background Descriptions** | 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 contains a highly conserved cyclophilin (CYP) domain as well as an RNA-binding domain. It was shown to possess PPIase and protein folding activities, and it also exhibits RNA-binding activity. Alternative splicing results in multiple transcript variants. A related pseudogene, which is also located on chromosome 1, has been identified. [provided by RefSeq, Aug 2010] |

## Additional Information

| | |
|---|---|
| **Gene ID** | 10450 |
| **Other Names** | Peptidyl-prolyl cis-trans isomerase E, PPIase E, 5.2.1.8, Cyclophilin E, Cyclophilin-33, Rotamase E, PPIE, CYP33 {ECO:0000303\|PubMed:8977107} |
| **Dilution** | IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500 |
| **Storage** | Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C. |

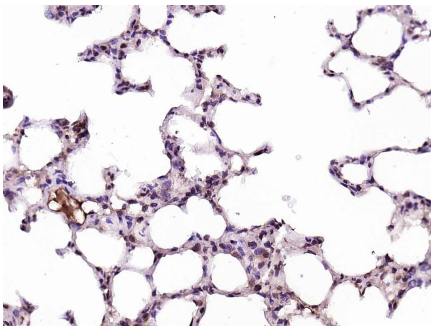
## Protein Information

| | |
|---|---|
| **Name** | PPIE |
| **Synonyms** | CYP33 {ECO:0000303\|PubMed:8977107} |
| **Function** | Involved in pre-mRNA splicing as component of the spliceosome (PubMed:11991638, PubMed:28076346). Combines RNA-binding and PPIase activities (PubMed:18258190, PubMed:20460131, PubMed:20677832, PubMed:8977107). Binds mRNA and has a preference for single-stranded RNA molecules with poly-A and poly-U stretches, suggesting it binds to the poly(A)-region in the 3'-UTR of mRNA molecules (PubMed:18258190, PubMed:20460131, PubMed:8977107). Catalyzes the cis-trans isomerization of proline imidic peptide bonds in proteins (PubMed:18258190, PubMed:20541251, PubMed:20677832, PubMed:8977107). Inhibits KMT2A activity; this requires proline isomerase activity (PubMed:20460131, PubMed:20541251, PubMed:20677832). |
| **Cellular Location** | Nucleus |
| **Tissue Location** | Found in all the examined tissues including heart, brain, placenta, lung, liver, skeletal muscle, kidney and pancreas |

## Background

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

## Images



Paraformaldehyde-fixed, paraffin embedded (rat lung); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Cyclophilin E) Polyclonal Antibody, Unconjugated (AP55435) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.