

PPIE Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP17550a**Specification**

PPIE Antibody (N-term) Blocking Peptide - Product InformationPrimary Accession [Q9UNP9](#)**PPIE Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 10450**Other Names**

Peptidyl-prolyl cis-trans isomerase E, PPlase E, Cyclophilin E, Cyclophilin-33, Rotamase E, PPIE, CYP33

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

PPIE Antibody (N-term) Blocking Peptide - 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 PPlase activities (PubMed:8977107, PubMed:18258190, PubMed:20677832, PubMed:20460131). 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:8977107, PubMed:18258190, PubMed:20460131). Catalyzes the cis-trans isomerization of proline imidic peptide bonds in proteins (PubMed:8977107, PubMed:18258190).

target="_blank">18258190, PubMed:20677832, PubMed:20541251). Inhibits KMT2A activity; this requires proline isomerase activity (PubMed:20677832, PubMed:20541251, PubMed:20460131).

Cellular Location

Nucleus

Tissue Location

Found in all the examined tissues including heart, brain, placenta, lung, liver, skeletal muscle, kidney and pancreas

PPIE Antibody (N-term) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

PPIE Antibody (N-term) Blocking Peptide - Images

PPIE Antibody (N-term) Blocking Peptide - Background

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.

PPIE Antibody (N-term) Blocking Peptide - References

Park, S., et al. Biochemistry 49(31):6576-6586(2010) Hom, R.A., et al. J. Mol. Biol. 400(2):145-154(2010) Wang, Z., et al. Cell 141(7):1183-1194(2010) Naukkarinen, J., et al. PLoS Genet. 6 (6), E1000976 (2010) :Chen, J., et al. Cancer Res. 68(15):6199-6207(2008)