

PAIP1 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP19021a**Specification**

PAIP1 Antibody (N-term) Blocking Peptide - Product Information

Primary Accession [Q9H074](#)

PAIP1 Antibody (N-term) Blocking Peptide - Additional Information

Gene ID 10605

Other Names

Polyadenylate-binding protein-interacting protein 1, PABP-interacting protein 1, PAIP-1, Poly(A)-binding protein-interacting protein 1, PAIP1

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.

PAIP1 Antibody (N-term) Blocking Peptide - Protein Information

Name PAIP1 ([HGNC:16945](#))

Function

Acts as a coactivator in the regulation of translation initiation of poly(A)-containing mRNAs. Its stimulatory activity on translation is mediated via its action on PABPC1. Competes with PAIP2 for binding to PABPC1. Its association with EIF4A and PABPC1 may potentiate contacts between mRNA termini. May also be involved in translationally coupled mRNA turnover. Implicated with other RNA-binding proteins in the cytoplasmic deadenylation/translational and decay interplay of the FOS mRNA mediated by the major coding-region determinant of instability (mCRD) domain.

Cellular Location

Cytoplasm.

PAIP1 Antibody (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

PAIP1 Antibody (N-term) Blocking Peptide - Images**PAIP1 Antibody (N-term) Blocking Peptide - Background**

The protein encoded by this gene interacts with poly(A)-binding protein and with the cap-binding complex eIF4A. It is involved in translational initiation and protein biosynthesis. Overexpression of this gene in COS7 cells stimulates translation. Alternative splicing occurs at this locus and three transcript variants encoding three distinct isoforms have been identified.

PAIP1 Antibody (N-term) Blocking Peptide - References

Kanaan, A.S., et al. Acta Crystallogr. Sect. F Struct. Biol. Cryst. Commun. 65 (PT 10), 1060-1064 (2009) :Martineau, Y., et al. Mol. Cell. Biol. 28(21):6658-6667(2008) Fortna, A., et al. PLoS Biol. 2 (7), E207 (2004) :Roy, G., et al. Mol. Cell. Biol. 22(11):3769-3782(2002) Deo, R.C., et al. Proc. Natl. Acad. Sci. U.S.A. 98(8):4414-4419(2001)