

# Rabbit Anti-PAIP1 antibody

# SL21006R

<b>Product Name:</b>	PAIP1	
Chinese Name:	多聚腺苷酸Binding protein相互作用蛋白1抗体	
Alias:	MGC12360; OTTHUMP00000221601; OTTMUSP00000026880; PABC1 interacting protein 1; PABP interacting protein 1; PABP-interacting protein 1; PAIP 1; PAIP-1; Paip1; PAIP1_HUMAN; Poly(A) binding protein interacting protein 1; Polyadenylate binding protein interacting protein 1; Polyadenylate-binding protein-interacting protein 1.	
Organism Species:	Rabbit	
Clonality:	Polyclonal	
React Species:	Human, Mouse, Rat, Rabbit,	
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.	
Molecular weight:	54kDa	
Cellular localization:	cytoplasmic	
Form:	Lyophilized or Liquid	
Concentration:	1mg/ml	
immunogen:	KLH conjugated synthetic peptide derived from human PAIP1:51-150/479	
Lsotype:	IgG	
Purification:	affinity purified by Protein A	
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.	
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20 °C. 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.	
PubMed:	<u>PubMed</u>	
Product Detail:	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. [provided by RefSeq, Jul 2008]

### **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.

# **Subcellular Location:**

Cytoplasm.

# Similarity:

Contains 1 MIF4G domain.

## **SWISS:**

Q9H074

#### Gene ID:

10605

#### **Database links:**

Entrez Gene: 510246 Cow

Entrez Gene: 10605 Human

Entrez Gene: 218693 Mouse

Entrez Gene: 365684 Rat

Omim: 605184 Human

SwissProt: Q9H074 Human

SwissProt: Q8VE62 Mouse

Unigene: 482038 Human

Unigene: 132584 Mouse

Unigene: 9450 Rat

Important	Note:
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