



## Rabbit Anti-PAIP2 antibody

SL21007R

<b>Product Name:</b>	PAIP2
<b>Chinese Name:</b>	多聚腺苷酸Binding protein相互作用蛋白2抗体
<b>Alias:</b>	PABP-interacting protein 2; PAIP-2; PAIP2; PAIP2_HUMAN; poly(A) binding protein interacting protein 2; Poly(A)-binding protein-interacting protein 2; Polyadenylate-binding protein-interacting protein 2.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Chicken,Dog,Pig,Cow,Horse,Rabbit,Sheep,
<b>Applications:</b>	ELISA=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.
<b>Molecular weight:</b>	15kDa
<b>Cellular localization:</b>	cytoplasmic
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human PAIP2:51-127/127
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	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.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	PAIP2 (Poly(A) Binding Protein Interacting Protein 2) is a Protein Coding gene. Among its related pathways are Translational Control and TGF-Beta Pathway. GO annotations related to this gene include mRNA binding and translation repressor activity. An important paralog of this gene is PAIP2B.

**Function:**

Acts as a repressor in the regulation of translation initiation of poly(A)-containing mRNAs. Its inhibitory activity on translation is mediated via its action on PABPC1. Displaces the interaction of PABPC1 with poly(A) RNA and competes with PAIP1 for binding to PABPC1. Its association with PABPC1 results in disruption of the cytoplasmic poly(A) RNP structure organization.

**Subunit:**

Interacts with the RRM1-RRM2 and C-terminus regions of PABPC1 in a 1:1 stoichiometry. Interacts with EIF4A.

**Subcellular Location:**

Cytoplasm.

**Similarity:**

Belongs to the PAIP2 family.

**SWISS:**

Q9BPZ3

**Gene ID:**

51247

**Database links:**

[Entrez Gene: 416187](#) Chicken

[Entrez Gene: 536619](#) Cow

[Entrez Gene: 51247](#) Human

[Entrez Gene: 67869](#) Mouse

[Entrez Gene: 361309](#) Rat

[Omim: 605604](#) Human

[SwissProt: Q5ZJS6](#) Chicken

[SwissProt: Q3ZC67](#) Cow

[SwissProt: Q9BPZ3](#) Human

[SwissProt: Q9D6V8](#) Mouse

[SwissProt: Q6AXZ0](#) Rat

[Unigene: 396644](#) Human

[Unigene: 126534](#) Mouse

[Unigene: 1073](#) Rat

**Important Note:**

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

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