

For Research Use Only

# PAIP1 Monoclonal antibody

Catalog Number: 60050-1-Ig



## Basic Information

<b>Catalog Number:</b> 60050-1-Ig	<b>GenBank Accession Number:</b> BC005295	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 687 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 10605	<b>CloneNo.:</b> 2G1B7
<b>Source:</b> Mouse	<b>Full Name:</b> poly(A) binding protein interacting protein 1	
<b>Isotype:</b> IgG2b	<b>Calculated MW:</b> 70 kDa	
<b>Immunogen Catalog Number:</b> AG1070	<b>Observed MW:</b> 42+60+70+110 kDa	

## Applications

**Tested Applications:**  
ELISA

**Species Specificity:**  
human, mouse

## Background Information

In initiation of translation in eukaryotes, binding of the small ribosomal subunit to mRNA requires recognition of the 5-prime cap structure by the cap-binding complex eIF4F. eIF4F consists of eIF4E, eIF4A, and eIF4G. Translation initiation is further regulated by the mRNA 3-prime poly(A) tail and the poly(A)-binding protein (PABC1). PAIP1 interacts with PABC1 and some eIF4 complexes [PMID:9548260]. It is a coactivator in the regulation of translation initiation of poly(A)-containing mRNAs, and associates with EIF4A and PABPC1 may potentiate contacts between mRNA termini [PMID:11051545].

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:  
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## Selected Validation Data