

ARG44448 anti-PAIP1 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes PAIP1
Tested Reactivity	Hu
Tested Application	FACS, ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	PAIP1
Species	Human
Immunogen	Human PAIP1 recombinant protein
Conjugation	Un-conjugated
Alternate Names	PAIP1; Poly(A) Binding Protein Interacting Protein 1; PABP-Interacting Protein 1; Polyadenylate-Binding Protein-Interacting Protein 1; PAIP-1; Poly(A)-Binding Protein-Interacting Protein 1; PABC1-Interacting Protein 1

Application Instructions

Application table	Application	Dilution
	FACS	1-3 µg/1x10 ⁶
	ICC/IF	5 µg/ml
	IHC-P	2-5 µg/ml
	WB	0.25-0.5 µg/ml
Application Note	The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

Properties

Form	Liquid
Purification	Affinity purified with Immunogen.
Buffer	0.9% NaCl, 0.2% Na ₂ HPO ₄ , 0.05% Sodium azide and 4% Trehalose.
Preservative	0.05% Sodium azide
Stabilizer	4% Trehalose
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed

before use.

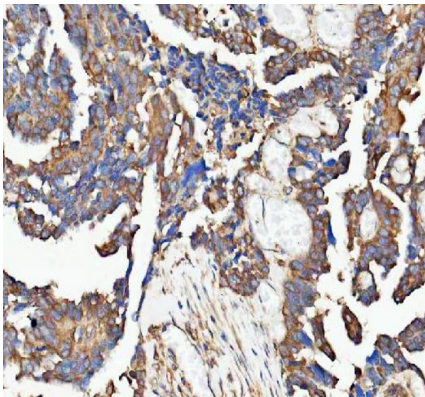
Note

For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

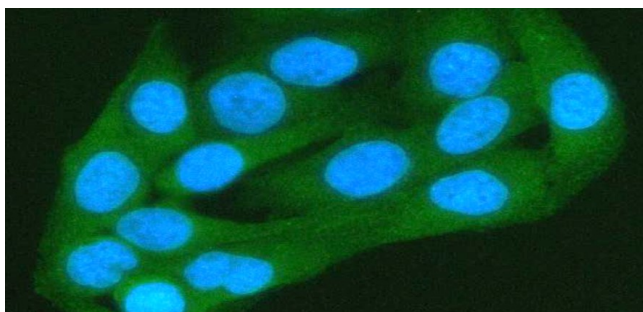
Gene Symbol	PAIP1
Gene Full Name	Poly(A) Binding Protein Interacting Protein 1
Background	The protein encoded by this gene interacts with poly(A)-binding protein and with the cap-binding complex eIF4A. It is involved in translational initiation and protein biosynthesis. Overexpression of this gene in COS7 cells stimulates translation. Alternative splicing occurs at this locus and three transcript variants encoding three distinct isoforms have been identified.
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.
Calculated Mw	54 kDa
PTM	Acetylation, Methylation
Cellular Localization	Cytoplasm

Images



ARG44448 anti-PAIP1 antibody IHC-P image

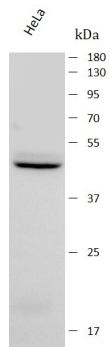
Immunohistochemistry: Human ovarian serous adenocarcinoma stained with ARG44448 anti-PAIP1 antibody at 2 µg/mL dilution.



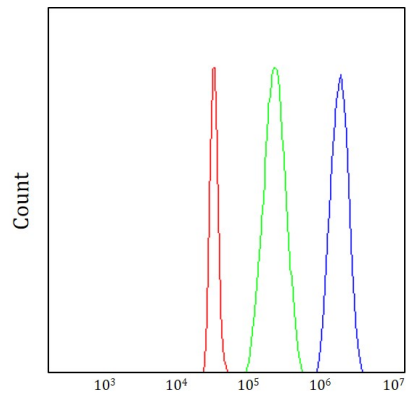
ARG44448 anti-PAIP1 antibody ICC/IF image

Immunofluorescence: HeLa stained with ARG44448 anti-PAIP1 antibody at 5 µg/mL dilution.

ARG44448 anti-PAIP1 antibody WB image



Western blot: HeLa stained with ARG44448 anti-PAIP1 antibody at 0.5 $\mu\text{g}/\text{mL}$ dilution.



ARG44448 anti-PAIP1 antibody FACS image

Flow Cytometry: SH-SY5Y stained with ARG44448 anti-PAIP1 antibody at 1 $\mu\text{g}/10^6$ cells dilution.