
Product Name: KD-Validated PAIP1 Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA00391**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:100-1:1,000
Molecular Weight	Calculated MW: 53.5kDa

Antigen Information

Gene Name	PAIP1 PAIP1; Poly(A) Binding Protein Interacting Protein 1; PABP-Interacting Protein 1;
Alternative Names	Polyadenylate-Binding Protein-Interacting Protein 1; PAIP-1; Poly(A)-Binding Protein-Interacting Protein 1; PABC1-Interacting Protein 1
Gene ID	10605.0
SwissProt ID	Q9H074
Immunogen	A synthesized peptide derived from human PAIP1

Background

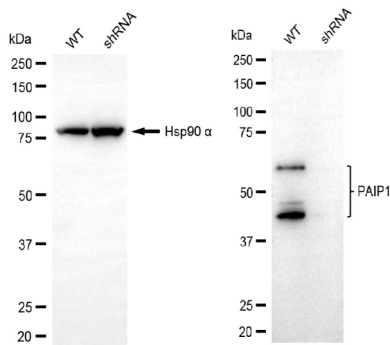
The protein encoded by this gene interacts with poly(A)-binding protein and with the cap-binding complex eIF4A. It is involved in translational initiation and protein biosynthesis. Overexpression of this gene in COS7 cells stimulates translation. Alternative

splicing occurs at this locus and three transcript variants encoding three distinct isoforms have been identified. [provided by RefSeq, Jul 2008]

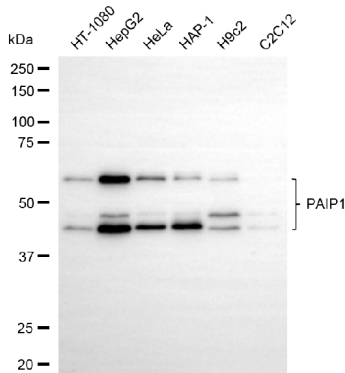
Research Area

Epigenetics and Nuclear Signaling

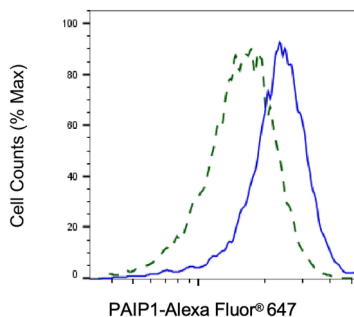
Image Data



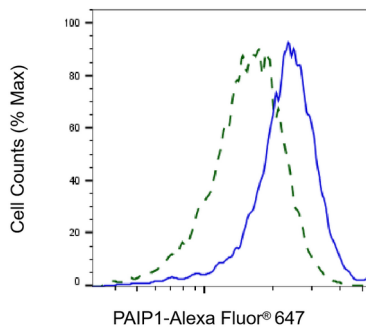
Western blotting analysis using PAIP1 antibody (KVA00391). PAIP1 expression in wild-type (WT) and PAIP1 shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with PAIP1 antibody (KVA00391, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using PAIP1 antibody (KVA00391). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with PAIP1 antibody (KVA00391, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Validation of PAIP1 knockdown using flow cytometry. Wild-type(WT, Blue) and knockdown(KD, Green) HeLa cells were stained with PAIP1 antibody (KVA00391, 1:2,000) and analyzed using BD flow cytometer.



Flow cytometric analysis of PAIP1 expression in HepG2 cells using PAIP1 antibody (KVA00391, 1:2,000). Green, isotype control; red, PAIP1.