

**DATASHEET**

**IKAP Rabbit Polyclonal Antibody**

CAT. NO. APA13850

**KEY FEATURES**

Target	IKAP	Source / Host	Rabbit
Reactivity	Human, Mouse, Rat	Clonality	Polyclonal
Applications	WB, IHC	Conjugation	Unconjugated
Form / Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.		Storage at -20°C

**BACKGROUND**

Component of the elongator complex which is required for multiple tRNA modifications, including mcm5U (5-methoxycarbonylmethyl uridine), mcm5s2U (5-methoxycarbonylmethyl-2-thiouridine), and ncm5U (5-carbamoylmethyl uridine), mcm5s2U (5-methoxycarbonylmethyl-2-thiouridine), and ncm5U (5-carbamoylmethyl uridine). The elongator complex catalyzes the formation of carboxymethyluridine in the wobble base at position 34 in tRNAs. Regulates the migration and branching of projection neurons in the developing cerebral cortex, through a process depending on alpha-tubulin acetylation. ELP1 binds to tRNA, mediating interaction of the elongator complex with tRNA. May act as a scaffold protein that assembles active IKK-MAP3K14 complexes (IKKA, IKKB and MAP3K14/NIK).

**APPLICATION**

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:2000
IHC	1:50 - 1:200

\*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

**PRODUCT OVERVIEW**

Description	Rabbit polyclonal antibody to IKAP
Specificity	Recognizes endogenous levels of IKAP protein.
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human IKAP
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 150 kD; Observed: 150 kD
Form/Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	ELP1; IKAP; Elongator complex protein 1; ELP1; IkappaB kinase complex-associated protein; IKK complex-associated protein; p150
Gene Symbol	IKBKAP
Entrez Gene	8518(Human); 230233(Mouse); 140934(Rat)
SwissProt	O95163(Human); Q7TT37(Mouse); Q8VHU4(Rat)

\*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact [info@arexbio.com](mailto:info@arexbio.com) or your local distributor.

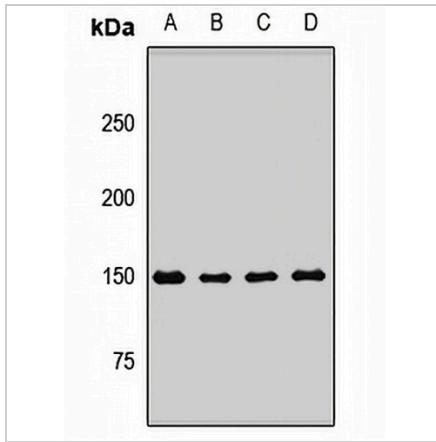
\*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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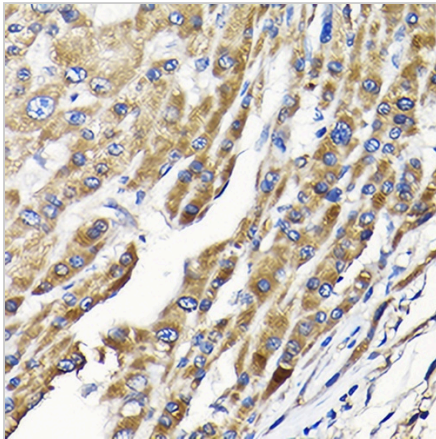
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**DATA**



Western blot analysis of IKAP expression in HeLa (A), HepG2 (B), mouse liver (C), rat liver (D) whole cell lysates. (Predicted band size: 150 kD; Observed band size: 150 kD)



Immunohistochemical analysis of IKAP staining in human liver cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

**STORAGE**

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

**NOTE**

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.