

IKAP Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP55230**Specification**

IKAP Polyclonal Antibody - Product Information

Application	IHC-P
Primary Accession	O95163
Reactivity	Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	150254

IKAP Polyclonal Antibody - Additional Information**Gene ID** 8518**Other Names**

Elongator complex protein 1, ELP1, IkappaB kinase complex-associated protein, IKK complex-associated protein, p150, ELP1 (http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=5959)
HGNC:5959

Format

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. 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.

IKAP Polyclonal Antibody - Protein Information**Name** ELP1 ([HGNC:5959](#))**Function**

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) (PubMed: [29332244](http://www.uniprot.org/citations/29332244)). The elongator complex catalyzes the formation of carboxymethyluridine in the wobble base at position 34 in tRNAs (PubMed: [29332244](http://www.uniprot.org/citations/29332244)). Regulates the migration and branching of projection neurons in the developing cerebral cortex, through a process depending on alpha-tubulin acetylation (By similarity). ELP1 binds to tRNA, mediating interaction of the elongator complex with tRNA (By similarity). May act as a scaffold protein that assembles active IKK-MAP3K14 complexes (IKKA, IKKB and MAP3K14/NIK) (PubMed: [9751059](http://www.uniprot.org/citations/9751059)).

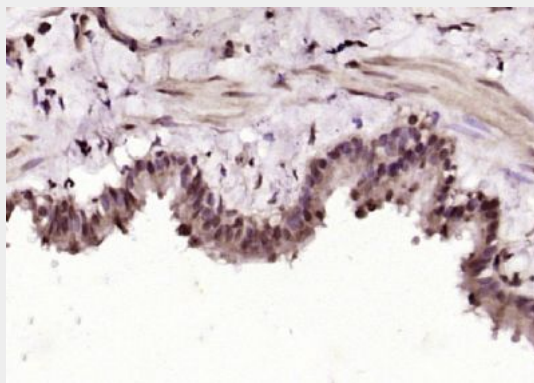
Cellular Location

Cytoplasm. Nucleus

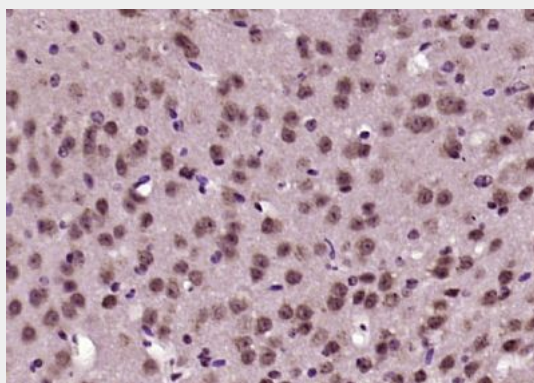
IKAP Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

IKAP Polyclonal Antibody - Images

Paraformaldehyde-fixed, paraffin embedded (rat lung); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (IKAP) Polyclonal Antibody, Unconjugated (bs-13644R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (IKAP) Polyclonal Antibody, Unconjugated (bs-13644R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.