

IKBKAP / IKAP Antibody (C-Terminus)
Rabbit Polyclonal Antibody
Catalog # ALS11461**Specification**

IKBKAP / IKAP Antibody (C-Terminus) - Product Information

Application	WB, IHC-P, IF, ICC
Primary Accession	O95163
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	150kDa KDa
Dilution	WB~~1:1000 IHC-P~~N/A IF~~1:50~200 ICC~~N/A

IKBKAP / IKAP Antibody (C-Terminus) - Additional Information**Gene ID** 8518**Other Names**

Elongator complex protein 1, ELP1, IkappaB kinase complex-associated protein, IKK complex-associated protein, p150, IKBKAP, ELP1, IKAP

Target/Specificity

16 amino acid peptide from near the carboxy terminus of human IKAP

Reconstitution & Storage

Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles. Store undiluted.

Precautions

IKBKAP / IKAP Antibody (C-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

IKBKAP / IKAP Antibody (C-Terminus) - 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). The elongator complex catalyzes the formation of carboxymethyluridine in the wobble base at position 34 in tRNAs (PubMed: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).

Cellular Location

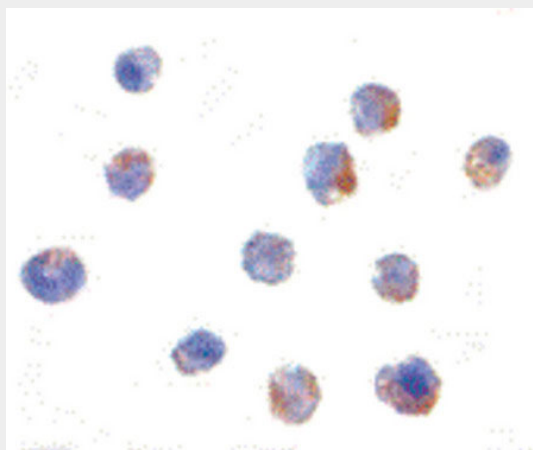
Cytoplasm. Nucleus

IKBKAP / IKAP Antibody (C-Terminus) - Protocols

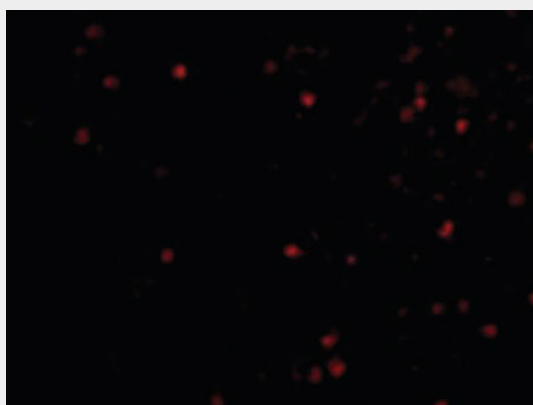
Provided below are standard protocols that you may find useful for product applications.

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

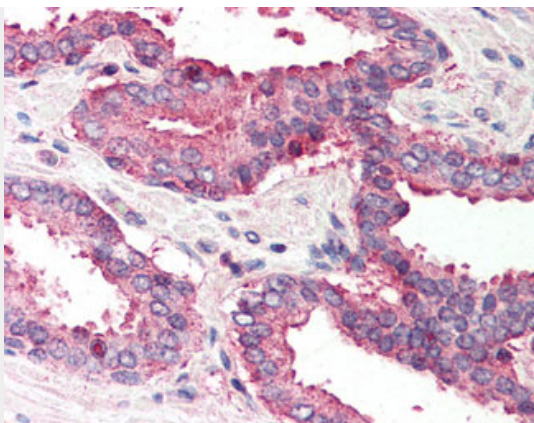
IKBKAP / IKAP Antibody (C-Terminus) - Images



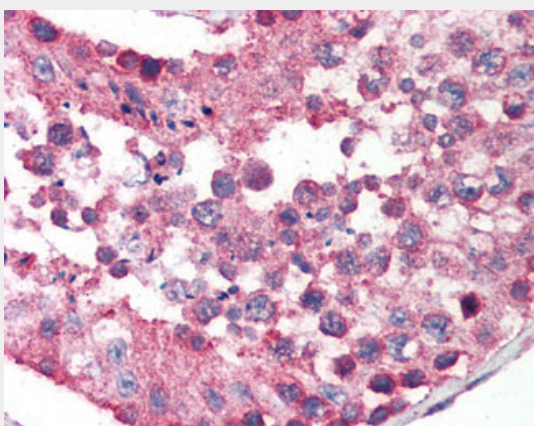
Immunocytochemistry of IKAP in A-20 cells with IKAP antibody at 1 ug/ml.



Immunofluorescence of IKAP in A20 cells with IKAP antibody at 20 ug/ml.



Anti-IKBKAP / IKAP antibody IHC of human prostate.



Anti-IKBKAP / IKAP antibody IHC of human testis.

IKBKAP / IKAP Antibody (C-Terminus) - Background

May act as a scaffold protein that may assemble active IKK-MAP3K14 complexes (IKKA, IKKB and MAP3K14/NIK).

IKBKAP / IKAP Antibody (C-Terminus) - References

- Cohen L.,et al.Nature 395:292-296(1998).
Slaughaupt S.A.,et al.Am. J. Hum. Genet. 68:598-605(2001).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Humphray S.J.,et al.Nature 429:369-374(2004).
Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.