

# KAT9 Rabbit mAb

Catalog # AP77777

## Product Information

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<b>Application</b>	WB, IF, ICC, IP
<b>Primary Accession</b>	<a href="#">Q9H9T3</a>
<b>Reactivity</b>	Rat, Human, Mouse
<b>Host</b>	Rabbit
<b>Clonality</b>	Monoclonal Antibody
<b>Isotype</b>	IgG
<b>Conjugate</b>	Unconjugated
<b>Immunogen</b>	A synthesized peptide derived from human KAT9 / Elp3
<b>Purification</b>	Affinity Chromatography
<b>Calculated MW</b>	62259

## Additional Information

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<b>Gene ID</b>	55140
<b>Other Names</b>	ELP3
<b>Dilution</b>	WB~~1/500-1/1000 IF~~1:50~200 ICC~~N/A IP~~N/A
<b>Format</b>	Liquid in 10mM PBS, pH 7.4, 150mM sodium chloride, 0.05% BSA, 0.02% sodium azide and 50% glycerol.
<b>Storage</b>	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

## Protein Information

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<b>Name</b>	ELP3 {ECO:0000303   PubMed:15902492, ECO:0000312   HGNC:HGNC:20696}
<b>Function</b>	Catalytic tRNA acetyltransferase subunit 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: <a href="#">29415125</a> ). In the elongator complex, acts as a tRNA uridine(34) acetyltransferase by mediating formation of carboxymethyluridine in the wobble base at position 34 in tRNAs (By similarity). May also act as a protein lysine acetyltransferase by mediating acetylation of target proteins; such activity is however unclear in vivo and recent evidences suggest that ELP3 primarily acts as a tRNA acetyltransferase (PubMed: <a href="#">29415125</a> ). Involved in neurogenesis: regulates the migration and branching of projection neurons in the developing cerebral cortex, through a process depending on alpha-tubulin acetylation (PubMed: <a href="#">19185337</a> ). Required for acetylation of GJA1 in the developing cerebral cortex (By similarity).

**Cellular Location**

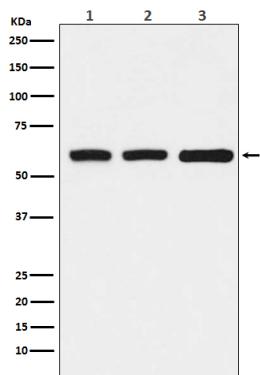
Cytoplasm. Nucleus [Isoform 2]: Cytoplasm. Nucleus

**Tissue Location**

Expressed in the cerebellum and spinal motor neurons.

## Images

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