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Anti-KAT9 / Elp3 Rabbit Monoclonal Antibody

Catalog # ABO14503

Product Information

Application	WB, IF, ICC, IP
Primary Accession	Q9H9T3
Host	Rabbit
Isotype	Rabbit IgG
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Format	Liquid
Description	Anti-KAT9 / Elp3 Rabbit Monoclonal Antibody . Tested in WB, ICC/IF, IP applications. This antibody reacts with Human, Mouse, Rat.

Additional Information

Gene ID	55140
Other Names	Elongator complex protein 3, hELP3, 2.3.1.311, ELP3 {ECO:0000303|PubMed:15902492, ECO:0000312|HGNC:HGNC:20696}
Calculated MW	62259
Application Details	WB 1:500-1:2000 ICC/IF 1:50-1:200 IP 1:50
Source	Eukaryota
Contents	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.
Clone Names	Clone: ADAF-5
Immunogen	A synthesized peptide derived from human KAT9 / Elp3.
Purification	Affinity-chromatography
Storage	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.

Protein Information

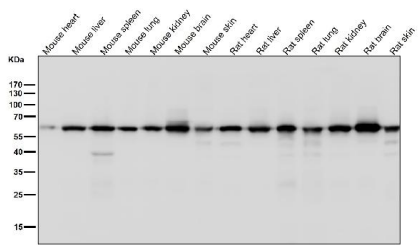
Name	ELP3 {ECO:0000303|PubMed:15902492, ECO:0000312|HGNC:HGNC:20696}
Function	Catalytic tRNA acetyltransferase subunit of the elongator complex which is required for multiple tRNA modifications, including mcm5U (5-methoxycarbonylmethyl uridine), mcm5s2U (5-

methoxycarbonylmethyl-2-thiouridine), and ncm5U (5-carbamoylmethyl uridine) (PubMed:29415125). 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:29415125). Not a major acetyltransferase of tubulin (PubMed:22153374). 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:19185337). Required for acetylation of GJA1 in the developing cerebral cortex (By similarity).

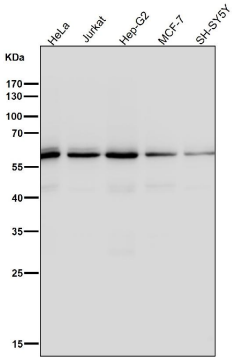
Cellular Location Cytoplasm. Nucleus [Isoform 2]: Cytoplasm. Nucleus

Tissue Location Expressed in the cerebellum and spinal motor neurons.

Images



All lanes use the Antibody at 1:3K dilution for 1 hour at room temperature.



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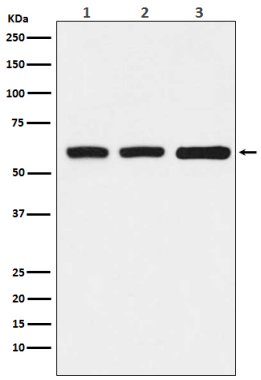

Western blot analysis of KAT9 / Elp3 expression in (1) HeLa cell lysate; (2) RAW264.7 cell lysate; (3) Rat kidney lysate.