

Recombinant ELP3 Monoclonal Antibody

catalog number: **AN301573L**

Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

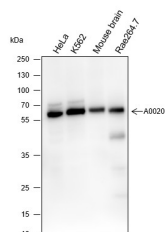
Reactivity	Human;Rat;Mouse
Immunogen	Recombinant human ELP3 fragment
Host	Rabbit
Isotype	IgG, κ
Clone	C111196
Purification	Protein A purified
Buffer	PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

Applications

Recommended Dilution

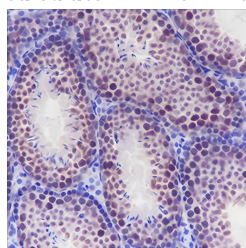
WB	1:500-1:1000
IHC	1:50-1:100
IF	1:50

Data

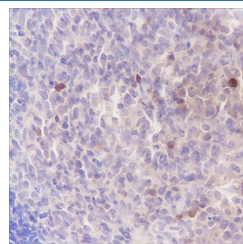


Western Blot with ELP3 Monoclonal Antibody at dilution of 1:1000. Lane 1: HeLa, Lane 2: K562, Lane 3: Mouse brain, Lane 4: Raw264.7

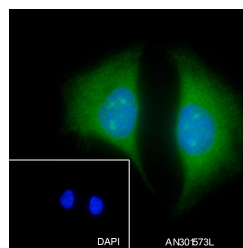
Observed-MW:62 kDa
Calculated-MW:62 kDa



Immunohistochemistry of paraffin-embedded Mouse testis using ELP3 Monoclonal Antibody at dilution of 1:100.



Immunohistochemistry of paraffin-embedded Human tonsil using ELP3 Monoclonal Antibody at dilution of 1:100.



Immunofluorescent analysis of (100% Ice-cold methanol) fixed HeLa cells using anti-ELP3 Monoclonal Antibody at dilution of 1:50.

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	Ice bag

Background

For Research Use Only

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Rev. V1.1

Catalytic tRNA acetyltransferase subunit of the RNA polymerase II elongator complex, which is a component of the RNA polymerase II (Pol II) holoenzyme and is involved in transcriptional elongation. The elongator complex is required for multiple tRNA modifications, including mcm5U (5-methoxycarbonylmethyl uridine), mcm5s2U (5-methoxycarbonylmethyl-2-thiouridine), and ncm5U (5-carbamoylmethyl uridine). 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. 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. Involved in neurogenesis: regulates the migration and branching of projection neurons in the developing cerebral cortex, through a process depending on alpha-tubulin acetylation. Required for acetylation of GJA1 in the developing cerebral cortex.