

# NAP1L1 Rabbit mAb

Catalog # AP78262

## Product Information

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<b>Application</b>	WB, FC
<b>Primary Accession</b>	<a href="#">P55209</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 NAP1L1
<b>Purification</b>	Affinity Purified
<b>Calculated MW</b>	45374

## Additional Information

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<b>Gene ID</b>	4673
<b>Other Names</b>	NAP1L1
<b>Dilution</b>	WB~~1/500-1/1000 FC~~1:10~50
<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>	NAP1L1
<b>Synonyms</b>	NRP
<b>Function</b>	Histone chaperone that plays a role in the nuclear import of H2A-H2B and nucleosome assembly (PubMed: <a href="#">20002496</a> , PubMed: <a href="#">21211722</a> , PubMed: <a href="#">26841755</a> ). Also participates in several important DNA repair mechanisms: greatly enhances ERCC6-mediated chromatin remodeling which is essential for transcription-coupled nucleotide excision DNA repair (PubMed: <a href="#">28369616</a> ). Also stimulates homologous recombination (HR) by RAD51 and RAD54 which is essential in mitotic DNA double strand break (DSB) repair (PubMed: <a href="#">24798879</a> ). Plays a key role in the regulation of embryonic neurogenesis (By similarity). Promotes the proliferation of neural progenitors and inhibits neuronal differentiation during cortical development (By similarity). Regulates neurogenesis via the modulation of RASSF10; regulates RASSF10 expression by promoting SETD1A-mediated H3K4 methylation at the

RASSF10 promoter (By similarity).

**Cellular Location**

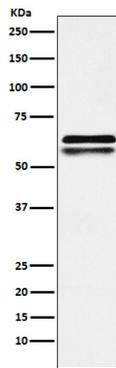
Nucleus. Chromosome {ECO:0000250 | UniProtKB:P28656}. Melanosome. Cytoplasm. Note=Identified by mass spectrometry in melanosome fractions from stage I to stage IV

**Tissue Location**

Ubiquitously expressed.

**Images**

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