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NAP1L2 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP18278a

Product Information

Application	WB, E
Primary Accession	Q9ULW6
Other Accession	P51860, NP_068798.1
Reactivity	Human
Predicted	Mouse, Rat, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB38310
Calculated MW	52542
Antigen Region	113-139

Additional Information

Gene ID	4674
Other Names	Nucleosome assembly protein 1-like 2, Brain-specific protein, X-linked, NAP1L2, BPX
Target/Specificity	This NAP1L2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 113-139 amino acids from the N-terminal region of human NAP1L2.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	NAP1L2 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	NAP1L2
Synonyms	BPX

Function	Histone chaperone (By similarity). Plays a role in the epigenetic regulation of gene expression during cellular differentiation, by regulating the acetylation status of histone H3 and therefore chromatin accessibility (PubMed:35032339). Plays a role in the differentiation of neuronal cells (By similarity). Increased activity during aging may suppress osteogenic differentiation of bone marrow mesenchymal stem cells (BMSCs) and promote their senescence; recruits SIRT1 to deacetylate histone H3 'Lys-14' at the promoter of osteogenic genes (PubMed:35032339).
Cellular Location	Nucleus. Chromosome. Cytoplasm, cytosol {ECO:0000250|UniProtKB:P51860}. Note=Localizes to chromatin in the neuronal nucleus (By similarity). Cytoplasmic in the G1 phase, nuclear during S-phase (By similarity). {ECO:0000250|UniProtKB:P51860}

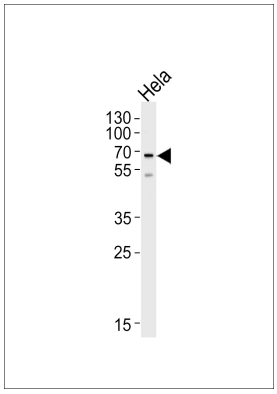
Background

This gene encodes a member of the nucleosome assembly protein (NAP) family. The function of this family member is unknown; however, mouse studies suggest that it represents a class of tissue-specific factors interacting with chromatin to regulate neuronal cell proliferation.

References

Rogner, U.C., et al. Nat. Genet. 25(4):431-435(2000)
Rougeulle, C., et al. Hum. Mol. Genet. 5(1):41-49(1996)

Images



Western blot analysis of lysate from HeLa cell line, using NAP1L2 Antibody (N-term)(Cat. #AP18278a). AP18278a was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysate at 35ug per lane.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.