10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

NHP2L2 Rabbit pAb

Catalog # AP96881

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	Q9ULW6
Other Accession	Q9ULW6
Reactivity	Rat, Mouse
Predicted	Human, Rabbit, Dog, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	52542
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human NHP2L2
Epitope Specificity	141-340/460
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the nucleosome assembly protein (NAP) family.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	The protein encoded by this intronless gene is a member of the nucleosome assembly protein (NAP) family. The encoded protein represents a class of tissue-specific factors that interact with chromatin to regulate neuronal cell proliferation. [provided by RefSeq, Jan 2011]

Additional Information

Gene ID	4674
Other Names	BPX; NP1L2_HUMAN; NAP1L2; Brain-specific protein, X-linked; NP1L2_MOUSE; nucleosome assembly protein 1 like 2; nucleosome assembly protein 1-like 2
Dilution	WB=1:1000-3000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

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}

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