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Nap1l2 Antibody - N-terminal region

Rabbit Polyclonal Antibody
Catalog # AI14146

Product Information

Application	WB
Primary Accession	P51860
Other Accession	NM_008671, NP_032697
Reactivity	Human, Mouse, Rat, Rabbit, Pig, Dog, Horse
Predicted	Human, Mouse, Rat, Rabbit, Pig, Dog, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	52158

Additional Information

Gene ID	17954
Alias Symbol	Bpx
Other Names	Nucleosome assembly protein 1-like 2, Brain-specific protein, X-linked, Nap1l2, Bpx
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 ul of distilled water. Final anti-Nap1l2 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
Precautions	Nap1l2 Antibody - N-terminal region 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:10932189, PubMed:17591696). Plays a role in the differentiation of neuronal cells (PubMed:10932189, PubMed:17591696). 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

(By similarity).

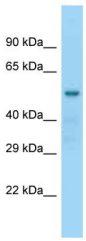
Cellular Location Nucleus. Chromosome Cytoplasm, cytosol. Note=Localizes to chromatin in the neuronal nucleus (PubMed:17591696). Cytoplasmic in the G1 phase, nuclear during S-phase (PubMed:10932189)

Tissue Location Brain, specifically expressed in neurons.

References

Rougeulle C.,et al.Hum. Mol. Genet. 5:41-49(1996).
Chureau C.,et al.Genome Res. 12:894-908(2002).
Carninci P.,et al.Science 309:1559-1563(2005).
Church D.M.,et al.PLoS Biol. 7:E1000112-E1000112(2009).
Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.

Images



WB Suggested Anti-Nap1l2 Antibody Titration: 1.0 µg/ml
Positive Control: Mouse Kidney

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