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Nap1l4 Antibody - N-terminal region

Rabbit Polyclonal Antibody
Catalog # AI14280

Product Information

Application	WB
Primary Accession	Q78ZA7
Other Accession	NM_008672, NP_032698
Reactivity	Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Dog, Guinea Pig, Horse, Bovine
Predicted	Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Dog, Guinea Pig, Horse, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	42679

Additional Information

Gene ID	17955
Alias Symbol	2810410H14Rik, AI316776, D7Wsu30e, Nap2
Other Names	Nucleosome assembly protein 1-like 4, Nap1l4
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-Nap1l4 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	Nap1l4 Antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

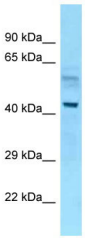
Name	Nap1l4
Function	Acts as a histone chaperone in nucleosome assembly (PubMed: 28366643). In condensing spermatids, mediates the loading of the heterodimer composed of histones H2AB1 and H2BC1/TH2B onto the nucleosomes, thereby promoting the replacement of histones to protamine in male germ cells (PubMed:28366643).
Cellular Location	Nucleus. Chromosome. Cytoplasm Note=Present in the cytoplasm and excluded from the nucleus during G0/G1 phase, then relocates to the nucleus by the time cells are in S phase. Phosphorylated form localizes in the cytoplasm during the G0/G1 transition, whereas dephosphorylation leads to relocalization into the nucleus at the G1/S-boundary.

{ECO:0000250|UniProtKB:Q99733}

References

Paulsen M.,et al.Hum. Mol. Genet. 7:1149-1159(1998).
Engemann S.,et al.Hum. Mol. Genet. 9:2691-2706(2000).
van Dijk J.,et al.Mol. Cell 26:437-448(2007).
Villen J.,et al.Proc. Natl. Acad. Sci. U.S.A. 104:1488-1493(2007).
Sweet S.M.,et al.Mol. Cell. Proteomics 8:904-912(2009).

Images



WB Suggested Anti-Nap1l4 Antibody Titration: 1.0 µg/ml
Positive Control: Mouse Liver

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