

NAP1L4 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP57353

Specification

NAP1L4 Polyclonal Antibody - Product Information

Application IHC-P, IHC-F, IF, ICC

Primary Accession Q99733

Reactivity
Host
Clonality
Calculated MW
Physical State

Rat, Pig, Dog, Bovine
Rabbit
Polyclonal
43 KDa
Liquid

Immunogen KLH conjugated synthetic peptide derived

laG

from human NAP1L4

Epitope Specificity 2-100/375

Isotype
Purity
affinity purified by Protein A

Buffer 0.01M TBS (pH7.4) with 1% BSA, 0.02%

Proclin300 and 50% Glycerol.

SUBCELLULAR LOCATION

Ubiquitous. Biallelically expressed in fetal and adult tissues. Highest levels in testis.

SIMILARITY Belongs to the nucleosome assembly

protein (NAP) family.

Post-translational modifications Polyglutamylated by TTLL4, a modification

that occurs exclusively on glutamate residues and results in polyglutamate chains on the gamma-carboxyl group.

Some residues may also be

monoglycylated but not polyglycylated due

to the absence of functional TTLL10 in

human.

Important Note This product as supplied is intended for

research use only, not for use in human, therapeutic or diagnostic applications.

Background Descriptions

This gene encodes a member of the nucleosome assembly protein (NAP) family which can interact with both core and linker histones. It can shuttle between the cytoplasm and nucleus, suggesting a role as a histone chaperone. This gene is one of several located near the imprinted gene domain of 11p15.5, an important tumor-suppressor gene region. Alterations in this region have been associated with the Beckwith-Wiedemann syndrome, Wilms tumor, rhabdomyosarcoma, adrenocortical carcinoma, and lung, ovarian, and breast cancer. [provided by RefSeq, Jul 2008]

NAP1L4 Polyclonal Antibody - Additional Information

Gene ID 4676



Other Names

Nucleosome assembly protein 1-like 4, Nucleosome assembly protein 2, NAP-2, NAP1L4 (HGNC:7640)

Dilution

IHC-P~~N/A<br \> <span class
="dilution_IHC-F">IHC-F~~N/A<br \> <span class
="dilution_IF">IF~~1:50~200<br \> ICC~~N/A

Storage

Store at -20 $^{\circ}$ 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 $^{\circ}$ C.

NAP1L4 Polyclonal Antibody - Protein Information

Name NAP1L4 (HGNC:7640)

Function

Acts as a histone chaperone in nucleosome assembly.

Cellular Location

Nucleus. 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 (PubMed:9325046). Phosphorylated form localizes in the cytoplasm during the G0/G1 transition, whereas dephosphorylation leads to relocalization into the nucleus at the G1/S- boundary (PubMed:10764593).

Tissue Location

Ubiquitous. Biallelically expressed in fetal and adult tissues. Highest levels in testis.

NAP1L4 Polyclonal Antibody - Protocols

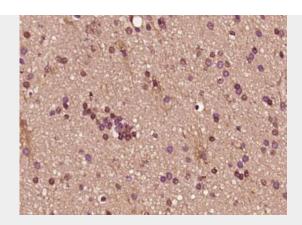
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

NAP1L4 Polyclonal Antibody - Images







Paraformaldehyde-fixed, paraffin embedded (Human brain glioma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (NAP1L4) Polyclonal Antibody, Unconjugated (bs-19011R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.