abcam

Product datasheet

Anti-NAP1L1 antibody - N-terminal ab229505

2 Images

Overview

Product name	Anti-NAP1L1 antibody - N-terminal
Description	Rabbit polyclonal to NAP1L1 - N-terminal
Host species	Rabbit
Tested applications	**Suitable for:** IHC-P, WB
Species reactivity	**Reacts with:** Rat, Human **Predicted to work with:** Mouse, Cow, Pig
Immunogen	Recombinant fragment within Human NAP1L1 (N terminal). The exact sequence is proprietary. Database link: **P55209**
Positive control	IHC-P: Rat brain tissue. WB: HEK-293T, HeLa, HepG2 and A431 whole cell extracts.
General notes	The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing. If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.00 Preservative: 0.025% Proclin 300 Constituents: 78% PBS, 1% BSA, 20% Glycerol (glycerin, glycerine)
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab229505 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		1/100 - 1/1000.
WB		1/500 - 1/3000. Predicted molecular weight: 45 kDa.

Target

Function May be involved in modulating chromatin formation and contribute to regulation of cell proliferation.

Tissue specificity Ubiquitously expressed.

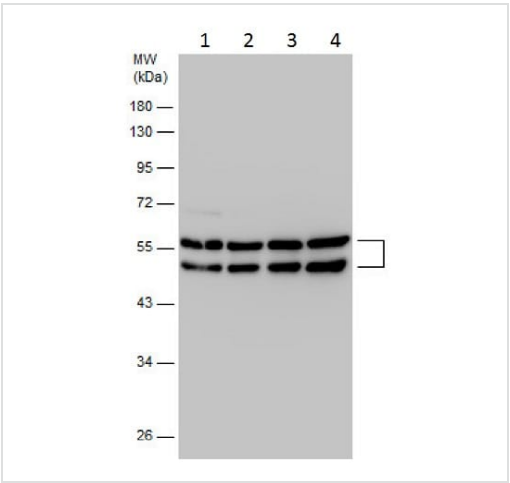
Sequence similarities Belongs to the nucleosome assembly protein (NAP) family.

Domain The acidic domains are probably involved in the interaction with histones.

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.

Cellular localization Nucleus. Melanosome. Identified by mass spectrometry in melanosome fractions from stage I to stage IV.

Images



Western blot - Anti-NAP1L1 antibody - N-terminal (ab229505)

All lanes : Anti-NAP1L1 antibody - N-terminal (ab229505) at 1/1000 dilution

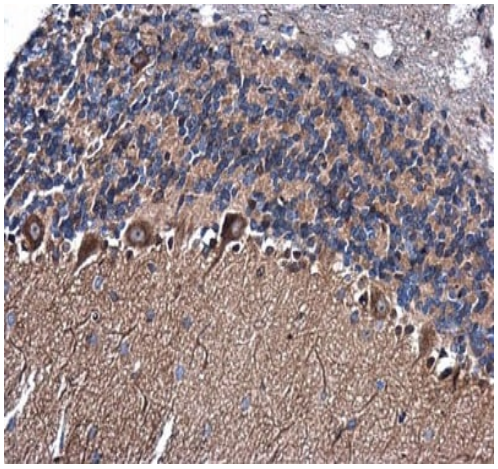
Lane 1 : HEK-293T (Human epithelial cell line from embryonic kidney transformed with large T antigen) whole cell extracts
Lane 2 : A431 (Human epidermoid carcinoma cell line) whole cell extracts
Lane 3 : HeLa (Human epithelial cell line from cervix adenocarcinoma) whole cell extracts
Lane 4 : HepG2 (Human liver hepatocellular carcinoma cell line) whole cell extracts

Lysates/proteins at 30 µg per lane.

Developed using the ECL technique.

Predicted band size: 45 kDa

10% SDS-PAGE



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-NAP1L1 antibody - N-terminal (ab229505)

Paraffin-embedded rat brain tissue stained for NAP1L1 with ab229505 at 1/500 dilution in immunohistochemical analysis.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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