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Rabbit Anti-NAP1L1 antibody

SL1052R

Product Name	NAP1L1
Chinese Name	核小体组装蛋白 1 抗体
Alias	NAP1L; FLJ16112; hNRP; HSP22 like protein interacting protein; MGC23410; MGC8688; NAP 1; NAP 1 related protein; NAP 1L; NAP-1 related protein; NAP-1-related protein; NAP1; NAP1 L1; NAP1 related protein; Nap1l1; NAP1L1 protein; NP1L1_HUMAN; NRP; Nucleosome assembly protein 1 like 1; Nucleosome assembly protein 1-like 1.
Research Area	Chromatin and nuclear signals
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	Human, Rat, (predicted: Mouse,)
Applications	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Theoretical molecular weight	44kDa
Cellular localization	The nucleus
Form	Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human NAP1L1: 101-200/391
Lsotype	IgG
Purification	affinity purified by Protein A
Buffer Solution	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.
Storage	Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Attention	This product as supplied is intended for research use only, not for use in human,

therapeutic or diagnostic applications.

PubMed PubMed

This gene encodes a member of the nucleosome assembly protein (NAP) family. This protein participates in DNA replication and may play a role in modulating chromatin formation and contribute to the regulation of cell proliferation. The binding of sequence-specific DNA binding proteins to human nucleosome assembly protein 1 may be an important step contributing to the activation of transcription. May be involved in modulating chromatin formation and contribute to regulation of cell proliferation.

Product Detail

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

Subcellular Location:
Nucleus. Melanosome. Identified by mass spectrometry in melanosome fractions from stage I to stage IV.

Tissue Specificity:
Ubiquitously expressed.

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.

Similarity:
Belongs to the nucleosome assembly protein (NAP) family.

SWISS:
P55209

Gene ID:
4673

Database links:

Entrez Gene: 4673 Human

Entrez Gene: 53605 Mouse

Entrez Gene: 89825 Rat

Omim: 164060 Human

SwissProt: P55209 Human

SwissProt: P28656 Mouse

SwissProt: Q9Z2G8 Rat

Unigene: 524599 Human

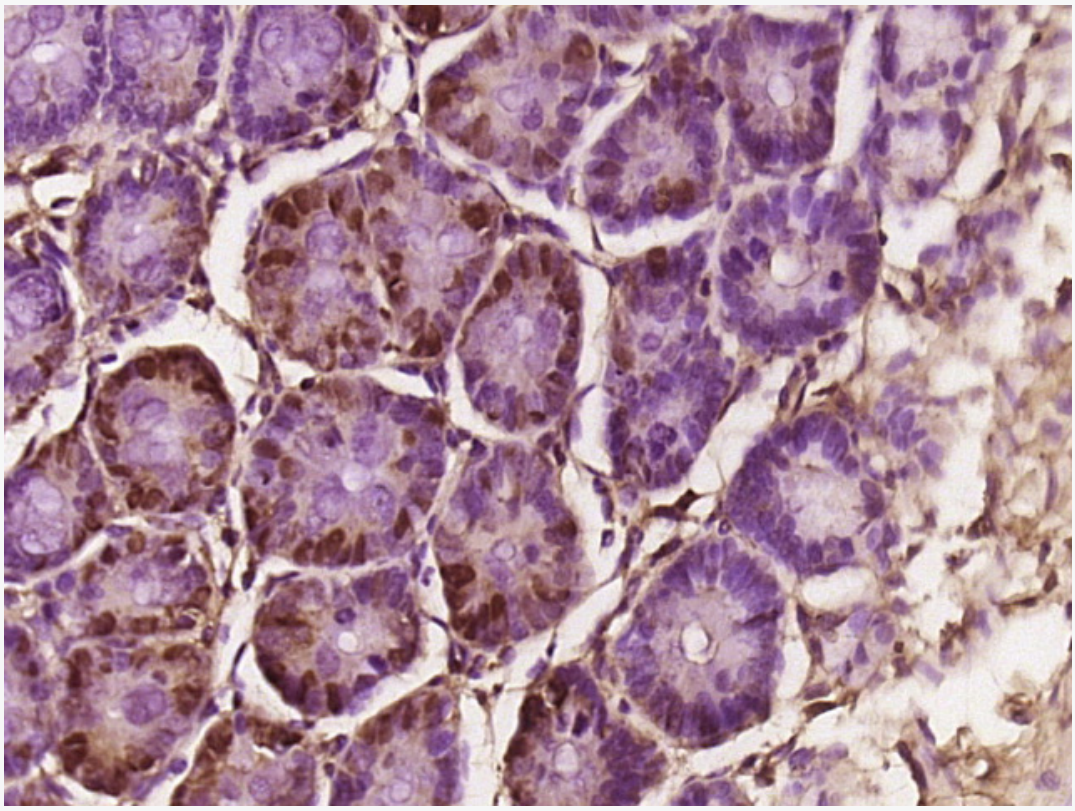
Unigene: 695185 Human

Unigene: 290407 Mouse

Unigene: 162938 Rat

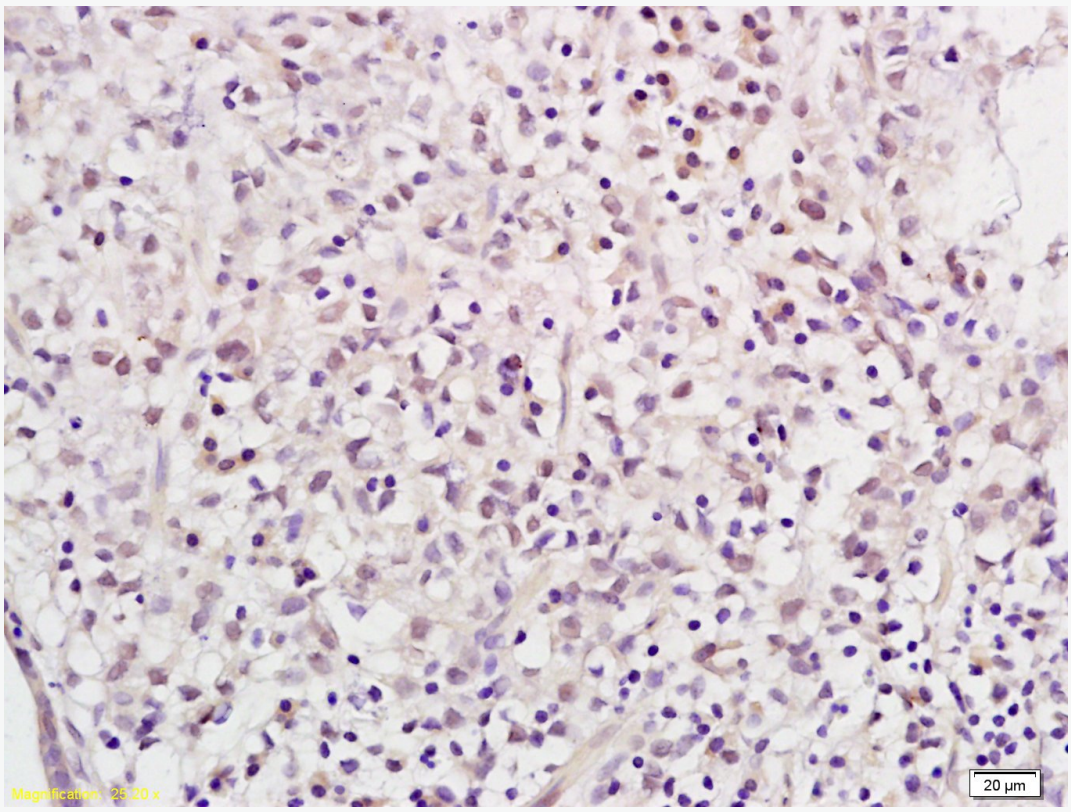
核小体组装蛋白 1（NAP-1） 作为核心组蛋白的分子伴蛋白,在进化过程中是相当保守的.它通过帮助核心组蛋白沉积到 DNA 上来促进核小体的组装.而大量研究表明,酵母和动物中的 NAP 类似蛋白除了具有核小体组装能力以外,还有其它多种功能

Product Picture



Paraformaldehyde-fixed, paraffin embedded (Rat colon); 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 (NAP1L1) Polyclonal Antibody, Unconjugated (SL1052R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.



Tissue/cell: human gastric carcinoma; 4% Paraformaldehyde-fixed and paraffin-embedded;

Antigen retrieval: citrate buffer (1M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer

(normal goat serum,C-0005) at 37℃ for 20 min;

Incubation: Anti-NAP1L1 Polyclonal Antibody, Unconjugated(SL1052R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining