

KD-Validated Anti-NAP1L1 Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

Catalog # AGI1613

Product Information

Application	WB, FC, ICC
Primary Accession	P55209
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Names	24GB550
Calculated MW	45374
Gene Name	NAP1L1
Aliases	Nucleosome Assembly Protein 1 Like 1; NRP; Nucleosome Assembly Protein 1-Like 1; NAP1L; NAP1; NAP-1-Related Protein; MGC23410; MGC8688; HSP22-Like Protein Interacting Protein; HNRP
Immunogen	A synthesized peptide derived from human NAP1L1

Additional Information

Gene ID	4673
Other Names	Nucleosome assembly protein 1-like 1, NAP-1-related protein, hNRP, NAP1L1, NRP

Protein Information

Name	NAP1L1
Synonyms	NRP
Function	Histone chaperone that plays a role in the nuclear import of H2A-H2B and nucleosome assembly (PubMed: 20002496 , PubMed: 21211722 , PubMed: 26841755). Also participates in several important DNA repair mechanisms: greatly enhances ERCC6-mediated chromatin remodeling which is essential for transcription-coupled nucleotide excision DNA repair (PubMed: 28369616). Also stimulates homologous recombination (HR) by RAD51 and RAD54 which is essential in mitotic DNA double strand break (DSB) repair (PubMed: 24798879). Plays a key role in the regulation of embryonic neurogenesis (By similarity). Promotes the proliferation of neural progenitors and inhibits neuronal differentiation during cortical development (By similarity). Regulates neurogenesis via the modulation of RASSF10; regulates RASSF10 expression by promoting SETD1A-mediated H3K4 methylation at the RASSF10 promoter (By similarity).
Cellular Location	Nucleus. Chromosome {ECO:0000250 UniProtKB:P28656}. Melanosome. Cytoplasm. Note=Identified by mass spectrometry in melanosome fractions

from stage I to stage IV

Tissue Location

Ubiquitously expressed.

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