NUP50 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	NUP50, Polyclonal Antibody
Full Product Name	NUP50 Antibody
Product Gene Name	anti-NUP50 antibody
Product Synonym Names	Nuclear pore complex protein Nup50 (50 kDa nucleoporin)(Nuclear pore-associated protein 60 kDa-like)(Nucleoporin Nup50)
Clonality	Polyclonal
Isotype	Rabbit IgG
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Purity/Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration	1mg/ml (lot specific)
Specificity	This antibody detects endogenous levels of NUP50 at Human, Mouse,Rat
Preparation and Storage	Store at -20 degree C/1 year
Molecular Weight	50,144 Da
OMIM	604646
3D Structure	ModBase 3D Structure for Q9UKX7
Immunogen	Synthesized peptide derived from human NUP50
Modification	Unmodified/Total
Product Categories/Family for anti-NUP50 antibody	Primary Antibodies
Applications Tested/Suitable for anti-NUP50 antibody	Western Blot (WB)
Application Notes for anti-NUP50 antibody	WB: 1:500-2000
Related Product Information for anti-NUP50 antibody	MBS9522229 is an antibody targeting NUP50. Also known as NUP50 Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.
Other Notes	Small volumes of anti-NUP50 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for NUP50. It may not necessarily be applicable to this product.

NCBI GI #	24497451

NCBI GeneID	10762
NCBI Accession #	NP_009103.2
UniProt Primary Accession #	Q9UKX7
UniProt Secondary Accession #	O75644; Q8N6V5; Q9NPM9; Q9NPR6; Q9P1K5; B1AHA4; B2RB15
UniProt Related Accession #	Q9UKX7
GenBank Nucleotide #	NM_007172.3
NCBI Official Full Name	nuclear pore complex protein Nup50 isoform b
NCBI Official Synonym Full Names	nucleoporin 50kDa
NCBI Official Symbol	NUP50
NCBI Official Synonym Symbols	NPAP60; NPAP60L
UniProt Protein Name	Nuclear pore complex protein Nup50
UniProt Synonym Protein Names	50 kDa nucleoporin; Nuclear pore-associated protein 60 kDa-like; Nucleoporin Nup50
Protein Family	Nuclear pore complex protein
UniProt Gene Name	NUP50
UniProt Synonym Gene Names	NPAP60L
UniProt Entry Name	NUP50_HUMAN
NCBI Protein Information	nuclear pore complex protein Nup50; nucleoporin 50kD; nucleoporin Nup50; 50 kDa nucleoporin; nuclear pore-associated protein 60L
NCBI Summary for NUP50	The nuclear pore complex is a massive structure that extends across the nuclear envelope, forming a gateway that regulates the flow of macromolecules between the nucleus and the cytoplasm. Nucleoporins are the main components of the nuclear pore complex in eukaryotic cells. The protein encoded by this gene is a member of the FG-repeat containing nucleoporins that functions as a soluble cofactor in importin-alpha:beta-mediated nuclear protein import. Pseudogenes of this gene are found on chromosomes 5, 6, and 14. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]
UniProt Comments for NUP50	NUP50: Component of the nuclear pore complex that has a direct role in nuclear protein import. Actively displaces NLSs from importin-alpha, and facilitates disassembly of the importin- alpha:beta-cargo complex and importin recycling. Interacts with multiple transport receptor proteins including CDKN1B. This interaction is required for correct intracellular transport and degradation of CDKN1B. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Nucleoporin; Nuclear import Chromosomal Location of Human Ortholog: 22q13.31 Cellular Component: nucleoplasm; nuclear membrane; cytoplasm; nuclear pore Molecular Function: protein binding Biological Process: mRNA transport; viral reproduction; cytokine and chemokine mediated signaling pathway; mitotic nuclear envelope disassembly; pathogenesis; glucose transport; viral infectious cycle; protein transport; intracellular transport; hexose transport; carbohydrate metabolic process; gene expression; viral transcription; mitotic cell cycle; transmembrane transport
Research Articles on NUP50	**1.** analysis of the Nup153-Nup50 protein interface and its role in nuclear import
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