

Rabbit Anti-NUP50/APC Conjugated antibody

SL7665R-APC

Product Name	Anti-NUP50/APC
Chinese Name	APC 标记的核孔蛋白 50 抗体
Alias	NPAP60; NPAP60L; Nuclear pore-associated protein 60 kDa-like; nucleoporin 50; NUP50_HUMAN.
Research Area	Cell biology Signal transduction Apoptosis transcriptional regulatory factor Epigenetics
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	Rat(predicted:Human,Mouse,Dog,Pig,Horse,Rabbit) IF=1:100-500
Applications	not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight	50kDa
Form	Lyophilized or Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human NUP50
Lsotype	IgG
Purification	affinity purified by Protein A
Storage Buffer	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Storage	
Product Detail	background: NUP50 is a component of the nuclear pore complex that has a direct role in nuclear protein export. NUP50 may serve as a binding site on the nuclear side of the pore complex for export receptor-cargo complexes. NUP50 interacts with multiple transport receptor proteins including p27Kip1. This interaction is required for correct intracellular transport and degradation of p27Kip1.

Function:

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.

Subunit:

Interacts with Importin alpha-2, Importin beta, Importin beta-2, NUP153, Ran binding protein 7, CDKN1B and itself (By similarity).

Subcellular Location:

Nucleus, nuclear pore complex. Nucleus membrane; Peripheral membrane protein; Nucleoplasmic side (By similarity). Note=Localizes to the nucleoplasmic fibrils of the nuclear pore complex (By similarity).

Tissue Specificity:

Ubiquitous. Highest levels in testis, peripheral blood leukocytes and fetal liver.

Similarity:

Contains 1 RanBD1 domain.

Database links:

[Entrez Gene: 10762](#) Human

[Entrez Gene: 18141](#) Mouse

[Entrez Gene: 25497](#) Rat

[Omim: 604646](#) Human

[SwissProt: Q9UKX7](#) Human

[SwissProt: Q9JIH2](#) Mouse

[SwissProt: O08587](#) Rat

[Unigene: 727643](#) Human

[Unigene: 28379](#) Mouse

[Unigene: 391486](#) Mouse

[Unigene: 123156](#) Rat



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[Unigene: 3242](#) Rat

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.