



Rabbit Anti-NUP188 antibody

SL4404R

Product Name:	NUP188
Chinese Name:	核孔蛋白188抗体
Alias:	BC025526; FLJ21639; hNup188; KIAA0169; mKIAA0169; Nucleoporin 188kDa; Nucleoporin NUP188 homolog; OTTMUSP00000018197; RP11-167N5.2; RP23-395P6.3; U89435.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Dog,Pig,Cow,Horse,Sheep,
Applications:	IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	196kDa
Cellular localization:	The nucleus
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human NUP188:671-770/1749
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	Preservative: 15mM Sodium Azide, Constituents: 1% BSA, 0.01M PBS, pH 7.4
Storage:	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 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	The nuclear pore complex (NPC) is found on the nuclear envelope and forms a gateway that regulates the flow of proteins and RNAs between the cytoplasm and nucleoplasm. The NPC is comprised of approximately 30 distinct proteins collectively known as nucleoporins. Nucleoporins are pore-complex-specific glycoproteins which often have cytoplasmically oriented O-linked N-acetylglucosamine residues and numerous repeats

of the pentapeptide sequence XFXFG. However, the nucleoporin protein encoded by this gene does not contain the typical FG repeat sequences found in most vertebrate nucleoporins. This nucleoporin is thought to form part of the scaffold for the central channel of the nuclear pore. [provided by RefSeq, Jan 2013]

Function:

May function as a component of the nuclear pore complex (NPC).

Subcellular Location:

Nucleus, nuclear pore complex.

DISEASE:

Copy number variations of NUP188 gene may be a cause of heterotaxy, a congenital heart disease resulting from abnormalities in left-right (LR) body patterning.

SWISS:

Q5SRE5

Gene ID:

23511

Database links:

[Entrez Gene: 23511](#) Human

[Entrez Gene: 227699](#) Mouse

[Entrez Gene: 366016](#) Rat

[Omim: 615587](#) Human

[SwissProt: Q5SRE5](#) Human

[SwissProt: Q6ZQH8](#) Mouse

[Unigene: 308340](#) Human

[Unigene: 330119](#) Mouse

[Unigene: 11918](#) Rat

Important Note:

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