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NUP188 Rabbit pAb

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Catalog # AP58188

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q5SRE5
Predicted	Rat, Pig, Dog, Human, Mouse, Chicken, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	196043
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human NUP188
Epitope Specificity	671-770/1749
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	Preservative: 0.02% Proclin300, Constituents: 1% BSA, 0.01M PBS, pH7.4.
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.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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]

Additional Information

Gene ID	23511
Other Names	Nucleoporin NUP188, hNup188, NUP188, KIAA0169
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. 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.

Protein Information

Name	NUP188
Synonyms	KIAA0169
Function	Component of the nuclear pore complex (NPC), a complex required for the trafficking across the nuclear envelope (Probable). Required for proper protein transport into the nucleus (PubMed:32275884).
Cellular Location	Nucleus, nuclear pore complex

Background

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Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.