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Zuschläge

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NUP98 Antibody - N-terminal region : FITC (ARP53631_P050-FITC)

Data Sheet

Product Number	ARP53631_P050-FITC
Product Page	www.avivasysbio.com/nup98-antibody-n-terminal-region-fitc-arp53631-p050-fitc.html
Name	NUP98 Antibody - N-terminal region : FITC (ARP53631_P050-FITC)
Protein Size (# AA)	937 amino acids
Molecular Weight	98kDa
Conjugation	FITC: Fluorescein Isothiocyanate
NCBI Gene Id	4928
Host	Rabbit
Clonality	Polyclonal
Concentration	0.5 mg/ml
Gene Full Name	Nucleoporin 98kDa
Alias Symbols	ADIR2, NUP96, NUP196, Nup98-96
Peptide Sequence	Synthetic peptide located within the following region: EELRLEDYQANRKGPQNQVGAGTTTGLFGSSPATSSATGLFSSSTTNSGF
Product Format	Liquid. Purified antibody supplied in 1x PBS buffer.
Reference	Pan,Q., (2008) Oncogene 27 (24), 3414-3423
Description of Target	The nuclear pore complex (NPC) is comprised of approximately 50 unique proteins collectively known as nucleoporins. The 98 kD nucleoporin is localized to the nucleoplasmic side of the NPC. Rat studies show that the 98 kD nucleoporin functions as one of several docking site nucleoporins of transport substrates. The human gene has been shown to fuse to several genes following chromsome translocatons in acute myelogenous leukemia (AML) and T-cell acute lymphocytic leukemia (T-ALL). This gene is one of several genes located in the imprinted gene domain of 11p15.5, an important tumor-suppressor gene region. Alterations in this region have been associated with the Beckwith-Wiedemann syndrome, Wilms tumor, rhabdomyosarcoma, adrenocortical carcinoma, and lung, ovarian, and breast cancer. Signal-mediated nuclear import and export proceed through the nuclear pore complex (NPC), which is comprised of approximately 50 unique proteins collectively known as nucleoporins. The 98 kD nucleoporin is generated through a biogenesis pathway that involves synthesis and proteolytic cleavage of a 186 kD precursor protein. This cleavage results in the 98 kD nucleoporin as well as a 96 kD nucleoporin, both of which are localized to the nucleoplasmic side of the NPC. Rat studies show that the 98 kD nucleoporin functions as one of several docking site nucleoporins of transport substrates. The human gene has been shown to fuse to several genes following chromsome translocatons in acute myelogenous leukemia (AML) and T-cell acute lymphocytic leukemia (T-ALL). This gene is one of several genes located in the imprinted gene domain of 11p15.5, an important tumor-suppressor gene region. Alterations in this region have been associated with the Beckwith-Wiedemann syndrome, Wilms tumor, rhabdomyosarcoma, adrenocortical carcinoma, and lung, ovarian, and breast cancer. Alternative splicing of this gene results in several transcript variants; however, not all variants have been fully described.
Protein Interactions	UBC; SUMO2; SUMO3; CDC37; EED; CDC73; PAF1; ARFGEF2; FBXO6; NXF1; HDAC11; HDAC8; LMNA; HNRNPUL1; CSNK2A1; ECT2; NUP107; RAE1; SUMO1; NUMA1; rev; SIRT7; RAPGEF3; CTNNB1; NUP88; NUP159; NUP82; Nup98; Nup214; Nup188; tat; HDAC1; CREBBP; PTTG1; APC; NPM1; USP
Reconstitution and Storage	All conjugated antibodies should be stored in light-protected vials or covered with a light protecting material (i.e. aluminum foil). Conjugated antibodies are stable for at least 12 months at 4C. If longer storage is desired (24 months), conjugates may be diluted with up to 50% glycerol and stored at -20C to -80C. Freezing and thawing conjugated antibodies will compromise enzyme activity as well as antibody binding.
Datasheets/Manuals	Printable datasheet for anti-NUP98 (ARP53631_P050-FITC) antibody
Blocking Peptide	For anti-NUP98 (ARP53631_P050-FITC) antibody is Catalog # AAP53631 (Previous Catalog # AAPP30801)
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of human NUP98
Uniprot ID	A8KA17

Protein Name	cDNA FLJ77211, highly similar to Homo sapiens nucleoporin 98kDa (NUP98), transcript variant 3, mRNA EMBL BAF85571.1
Protein Accession #	NP_005378
Purification	Affinity Purified
Nucleotide Accession #	NM_005387
Gene Symbol	NUP98
Predicted Species Reactivity	Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse, Rabbit
Application	WB
Predicted Homology Based on Immunogen Sequence	Cow: 100%; Dog: 93%; Guinea Pig: 93%; Horse: 100%; Human: 100%; Mouse: 93%; Rabbit: 100%; Rat: 100%
Image 1	

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Optimal conditions of its use should be determined by end users.

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