



Rabbit Anti-Human NUP98 monoclonal antibody, clone K.860.4 (CABT-L1506)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Target	NUP98
Immunogen	Synthetic peptide corresponding to residues surrounding Pro671 of human NUP98
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human, Mouse, Non-human primate, Rat
Clone	K.860.4
Purification	Affinity Purified
Conjugate	Unconjugated
Applications	ICC, IP, IF, WB
Format	Liquid
Buffer	0.01M HEPES, pH 7.5, with 0.15M NaCl, 100µg/ml BSA, 50% glycerol
Preservative	See individual product datasheet
Storage	-20°C

BACKGROUND

Introduction	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.
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The 98 kDa nucleoporin is generated through a biogenesis pathway that involves synthesis and proteolytic cleavage of a 186 kDa precursor protein. This cleavage results in the 98 kDa nucleoporin as well as a 96 kDa nucleoporin, both of which are localized to the nucleoplasmic side of the NPC. Rat studies show that the 98 kDa nucleoporin functions as one of several docking site nucleoporins of transport substrates. The human gene has been shown to fuse to several genes following chromosome translocations 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.

Keywords	NUP98;nucleoporin 98kDa;nucleoporin 98kD;nuclear pore complex protein Nup98-Nup96;NUP96;Nup98-Nup96;GLFG-repeat containing nucleoporin;ADIR2;NUP196
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GENE INFORMATION

Entrez Gene ID	4928
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UniProt ID	P52948
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