NUP98 Mouse mAb

CatalogNo: YM1066

Key Features

Host Species
- Mouse

Reactivity
- Human,Mouse,Dog

Applications
- WB

MW
- 198kD (Calculated)

Recommended Dilution Ratios

WB 1:1000-1:2000
Not yet tested in other applications.

Storage

Storage*	-15°C to -25°C/1 year(Do not lower than -25°C)
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Basic Information

Clonality	Monoclonal

Immunogen Information

Immunogen	Purified recombinant human Nup98 protein fragments expressed in E.coli.
Specificity	Nup98 Monoclonal Antibody detects endogenous levels of Nup98 protein.

Target Information

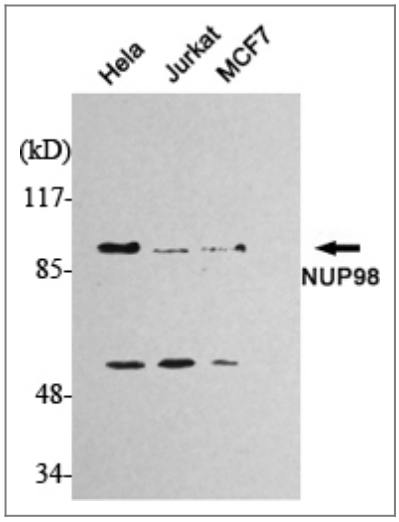
Gene name	NUP98

Protein Name	Nuclear pore complex protein Nup98-Nup96

Organism	Gene ID	UniProt ID
Human	4928;	P52948;

Cellular Localization	Nucleus membrane ; Peripheral membrane protein; Nucleoplasmic side . Nucleus, nuclear pore complex . Nucleus, nucleoplasm . Localized to the nucleoplasmic side of the nuclear pore complex (NPC), at or near the nucleoplasmic basket (PubMed:11839768). Dissociates from the dissasembled NPC structure early during prophase of mitosis (PubMed:12802065). Colocalized with NUP153 and TPR to the nuclear basket of NPC (PubMed:11839768). Colocalized with DHX9 in diffuse and discrete intranuclear foci (GLFG-body) (PubMed:11839768, PubMed:28221134). .; Nucleus membrane . (Microbial infection) Remains localized to the nuclear membrane after poliovirus (PV) infection. .
Tissue specificity	Brain,Epithelium,Liver,Lung,Peripheral blood,Testis,
Function	Disease:A chromosomal aberration involving NUP98 is associated with pediatric acute myeloid leukemia (AML) with intermediate characteristics between M2-M3 French-American-British (FAB) subtypes. Translocation t(9;11)(p22;p15) with PSIP1/LEDGF. The chimeric transcript is an in-frame fusion of NUP98 exon 8 to PSIP1/LEDGF exon 4.,Disease:A chromosomal aberration involving NUP98 is found in a form of acute myeloid leukemia. Translocation t(7;11)(p15;p15) with HOXA9. Translocation t(11;17)(p15;p13) with PHF23.,Disease:A chromosomal aberration involving NUP98 is found in a form of T-cell acute lymphoblastic leukemia (T-ALL). Translocation t(3;11)(q12.2;p15.4) with LNP1.,Disease:A chromosomal aberration involving NUP98 is found in a form of therapy-related myelodysplastic syndrome. Translocation t(11;20)(p15;q11) with TOP1.,Disease:A chromosomal aberration involving NUP98 is found in childhood acute myeloid leukemia. Translocation t(5;11)(q35;p15.5) with NSD1. Translocation t(8;11)(p11.2;p15) with WHSC1L1.,Domain:Contains G-L-F-G repeats.,Function:Nup98 and Nup96 play a role in the bidirectional transport across the nucleoporin complex (NPC). The repeat domain in Nup98 has a direct role in the transport.,PTM:Isoform 1 to isoform 4 are autoproteolytically cleaved to yield Nup98 and Nup96 or Nup98 only, respectively. Cleaved Nup98 is necessary for the targeting of Nup98 to the nuclear pore and the interaction with Nup96.,similarity:Belongs to the nucleoporin GLFG family.,similarity:Contains 1 peptidase S59 domain.,subcellular location:Nup96 is localized to the nucleoplasmic side of the nuclear pore complex, at or near the nucleoplasmic basket.,subunit:Nup98 interacts directly with Nup96. Nup96 is part of the Nup160 subcomplex in the nuclear pore which is composed of Nup160, Nup133, Nup107 and Nup96. This complex plays a role in RNA export and in tethering Nup98 and Nup153 to the nucleus. May interact with RAE1. Interacts with vesicular stomatitis virus protein M.,

Validation Data



Western Blot analysis using Nup98 Monoclonal Antibody against HeLa, Jurkat, MCF7 cell lysate.

Contact information

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Please scan the QR code to access additional product information:
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