

Anti-NUP98 antibody [EPR6678] - Nuclear Pore Marker ab124980

 **RabMAb**

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概述

产品名称	Anti-NUP98抗体[EPR6678] -核Pore Marker
描述	兔单克隆抗体[EPR6678] to NUP98 -核Pore Marker
宿主	Rabbit
特异性	ab124980 recognises Nuclear pore complex protein Nup96 of Nuclear pore complex protein Nup98-Nup96.
经测试应用	适用于: WB, IHC-P, ICC/IF 不适用于: Flow Cyt or IP
种属反应性	与反应: Human
免疫原	Synthetic peptide within Human NUP98 aa 1600-1700. The exact sequence is proprietary. The immunogen sequence is within Nuclear pore complex protein Nup96 of the Nuclear pore complex protein Nup98-Nup96. Database link: P52948
阳性对照	HeLa, SH-SY5Y, and Caco-2 cell lysates and Human colon tissue.
常规说明	This product is a recombinant monoclonal antibody, which offers several advantages including: <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production For more information see here . Our RabMAb [®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents . Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.

存储溶液	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture supernatant
纯度	Protein A purified
纯化说明	Not purified; provided in cell supernatant and storage buffer.
克隆	单克隆
克隆编号	EPR6678
同种型	IgG

应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab124980于以下的经测试应用

“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB		1/1000 - 1/10000. Predicted molecular weight: 188 kDa.
IHC-P		1/50 - 1/100. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol. Antigen retrieval is recommended.
ICC/IF		1/50 - 1/100.

应用说明 Is unsuitable for Flow Cyt or IP.

靶标

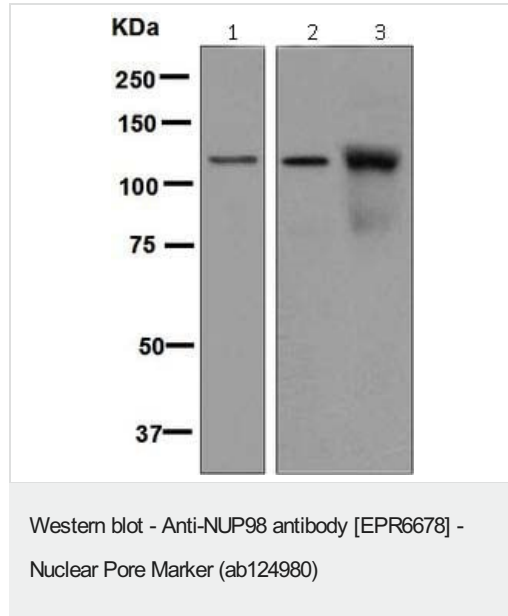
功能	Nup98 and Nup96 play a role in the bidirectional transport across the nucleoporin complex (NPC). The repeat domain in Nup98 has a direct role in the transport.
疾病相关	Note=A chromosomal aberration involving NUP98 is found in a form of acute myeloid leukemia. Translocation t(7;11)(p15;p15) with HOXA9. Translocation t(11;17)(p15;p13) with PHF23. Note=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. Note=A chromosomal aberration involving NUP98 is found in a form of therapy-related myelodysplastic syndrome. Translocation t(11;20)(p15;q11) with TOP1. Note=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. Note=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.
序列相似性	Belongs to the nucleoporin GLFG family. Contains 1 peptidase S59 domain.
结构域	Contains G-L-F-G repeats.
翻译后修饰	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.

细胞定位

Nucleus > nuclear pore complex. Nucleus membrane. Nup96 is localized to the nucleoplasmic side of the nuclear pore complex, at or near the nucleoplasmic basket.

图片



All lanes : Anti-NUP98 antibody [EPR6678] - Nuclear Pore Marker (ab124980) at 1/1000 dilution

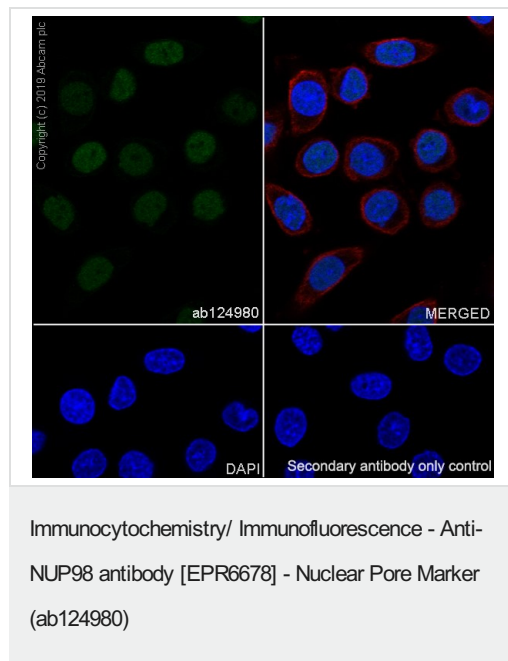
Lane 1 : HeLa cell lysate

Lane 2 : SH-SY5Y cell lysate

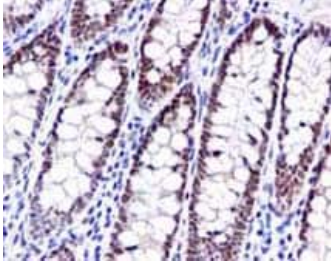
Lane 3 : Caco-2 cell lysate

Lysates/proteins at 10 µg per lane.

Predicted band size: 188 kDa



ab124980 staining NUP98 in SH-SY5Y, human neuroblastoma epithelial cells by ICC/IF (Immunocytochemistry/immunofluorescence). Cells were fixed with 4% Paraformaldehyde, permeabilized with 0.1% Triton X-100. Samples were incubated with primary antibody (1/500). Ab150077, an Alexa Fluor® 594-conjugated Goat anti rabbit (1:1000) (**ab150077**) was used as the secondary antibody. Counterstained with **ab195889**, an Anti-alpha Tubulin antibody [DM1A] - Microtubule Marker (Alexa Fluor® 594) (1/100). Nuclear counterstained with DAPI.

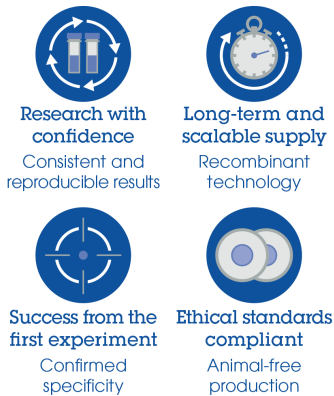


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-NUP98 antibody [EPR6678] - Nuclear Pore Marker (ab124980)

ab124980, at 1/50 to 1/100, staining NUP98 in Human colon tissue by immunohistochemistry [Paraffin Embedded Tissues (IHC-P)].

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

Why choose a recombinant antibody?



Anti-NUP98 antibody [EPR6678] - Nuclear Pore Marker (ab124980)

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