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NUP54 Antibody
Mouse Monoclonal Antibody (Mab)
Catalog # AM8685b

Specification

NUP54 Antibody - Product Information

Application	**WB,E**
Primary Accession	Q7Z3B4
Reactivity	**Human**
Host	**Mouse**
Clonality	**Monoclonal**
Isotype	**IgG1,Igκ**
Calculated MW	**55435**

NUP54 Antibody - Additional Information

Gene ID 53371

Other Names
Nucleoporin p54, 54 kDa nucleoporin, NUP54

Target/Specificity
This NUP54 Monoclonal antibody is generated from mouse immunized with NUP54 recombinant protein.

Dilution
WB~~1:4000
E~~Use at an assay dependent concentration.

Format
Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column, eluted with high and low pH buffers and neutralized immediately, followed by dialysis against PBS.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
NUP54 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

NUP54 Antibody - Protein Information

Name NUP54

Function Component of the nuclear pore complex, a complex required for the trafficking across the nuclear membrane.

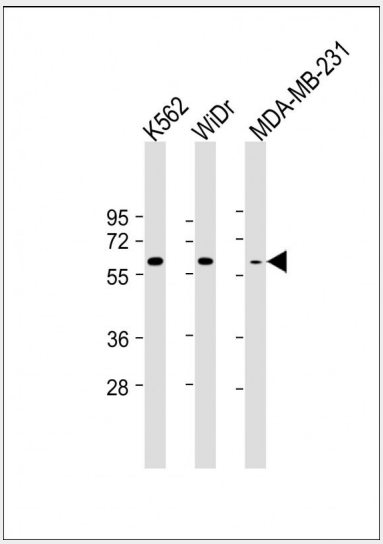
Cellular Location
Nucleus, nuclear pore complex {ECO:0000250|UniProtKB:P70582}. Nucleus membrane {ECO:0000250|UniProtKB:P70582}; Peripheral membrane protein {ECO:0000250|UniProtKB:P70582}; Cytoplasmic side {ECO:0000250|UniProtKB:P70582}. Nucleus membrane {ECO:0000250|UniProtKB:P70582}; Peripheral membrane protein {ECO:0000250|UniProtKB:P70582}; Nucleoplasmic side {ECO:0000250|UniProtKB:P70582}. Note=Biased towards cytoplasmic side Central region of the nuclear pore complex, within the transporter {ECO:0000250|UniProtKB:P70582}

NUP54 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

NUP54 Antibody - Images



All lanes : Anti-NUP54 Antibody at 1:4000 dilution Lane 1: K562 whole cell lysate Lane 2: WiDr whole cell lysate Lane 3: MDA-MB-231 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-mouse IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 55 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

NUP54 Antibody - Background

The nuclear envelope creates distinct nuclear and cytoplasmic compartments in eukaryotic cells. It consists of two concentric membranes perforated by nuclear pores, large protein complexes that form aqueous channels to regulate the flow of macromolecules between the nucleus and the cytoplasm. These complexes are composed of at least 100 different polypeptide subunits, many of which belong to the nucleoporin family. This gene encodes a member of the phe-gly (FG) repeat-containing nucleoporin subset.

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