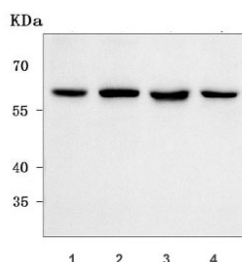


Nucleoporin 54 Antibody / NUP54 (RQ7877)

| Catalog No. | Formulation | Size |
|-------------|---|--------|
| RQ7877 | 0.5mg/ml if reconstituted with 0.2ml sterile DI water | 100 ug |

Bulk quote request

| | |
|---------------------------|--|
| Availability | 1-3 business days |
| Species Reactivity | Human |
| Format | Antigen affinity purified |
| Clonality | Polyclonal (rabbit origin) |
| Isotype | Rabbit IgG |
| Purity | Antigen affinity purified |
| Buffer | Lyophilized from 1X PBS with 2% Trehalose |
| UniProt | Q7Z3B4 |
| Applications | Western Blot : 0.5-1ug/ml Direct ELISA : 0.1-0.5ug/ml |
| Limitations | This Nucleoporin 54 antibody is available for research use only. |



Western blot testing of human 1) HeLa, 2) K562, 3) HepG2 and 4) A549 cell lysate with Nucleoporin 54 antibody. Predicted molecular weight ~55 kDa.

Description

Nucleoporin 54 (Nup54) is a protein that in humans is encoded by the NUP54 gene. 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. Multiple alternatively spliced transcript variants have been found for this gene.

Application Notes

Optimal dilution of the Nucleoporin 54 antibody should be determined by the researcher.

Immunogen

E. coli-derived recombinant human protein (amino acids D132-Q465) was used as the immunogen for the Nucleoporin 54 antibody.

Storage

After reconstitution, the Nucleoporin 54 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.