

AP11725PU-N

Polyclonal Antibody to NUP54 - Purified

Alternate names:	54 kDa nucleoporin, Nucleoporin p54
Quantity:	0.4 ml
Concentration:	lot specific
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. NUP54 is a member of the phe-gly (FG) repeat-containing nucleoporin subset.
Uniprot ID:	Q7Z3B4
NCBI:	9606
GeneID:	53371
Host / Isotype:	Rabbit / Ig
Immunogen:	This antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide selected from the center region of human NUP54.
Format:	State: Liquid Ig fraction Purification: Prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS Buffer System: PBS with 0.09% (W/V) sodium azide
Applications:	ELISA 1:1,000. Western blot 1:100 - 1:500. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody detects NUP54 at center. Species: Human. Other species not tested.
Add. Information:	Molecular weight: 55435 Da
Storage:	Store the antibody at 2 - 8 °C up to one month or (in aliquots) at -20 °C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	1. Stoffler, D., et al., Curr. Opin. Cell Biol. 11(3):391-401 (1999). 2. Bodoor, K., et al., Biochem. Cell Biol. 77(4):321-329 (1999). 3. Popov, S., et al., J. Biol. Chem. 273(21):13347-13352 (1998). 4. Hu, T., et al., J. Cell Biol. 134(3):589-601 (1996). 5. Finlay, D.R., et al., J. Cell Biol. 114(1):169-183 (1991).

Pictures:

Western blot analysis of anti-NUP54 (AP11725PU-N) in mouse heart tissue lysate. NUP54 (arrow) was detected using the purified Pab.

