

## Product datasheet for **AP11702PU-N**

### **NUP50 (C-term) Rabbit Polyclonal Antibody**

#### **Product data:**

<b>Product Type:</b>	Primary Antibodies
<b>Applications:</b>	WB
<b>Recommended Dilution:</b>	ELISA 1:1,000. Western blot 1:100 - 1:500.
<b>Reactivity:</b>	Human, Mouse
<b>Host:</b>	Rabbit
<b>Isotype:</b>	Ig
<b>Clonality:</b>	Polyclonal
<b>Immunogen:</b>	This antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide selected from the C-terminal region of human NUP50.
<b>Specificity:</b>	This antibody detects NUP50 at C-term.
<b>Formulation:</b>	PBS with 0.09% (W/V) sodium azide State: Purified State: Liquid Ig fraction
<b>Concentration:</b>	lot specific
<b>Purification:</b>	Prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS
<b>Conjugation:</b>	Unconjugated
<b>Storage:</b>	Store the antibody at 2 - 8 °C up to one month or (in aliquots) at -20 °C for longer. Avoid repeated freezing and thawing.
<b>Stability:</b>	Shelf life: one year from despatch.
<b>Gene Name:</b>	nucleoporin 50kDa
<b>Database Link:</b>	<a href="#">Entrez Gene 18141 Mouse</a> <a href="#">Entrez Gene 10762 Human</a> <a href="#">Q9UKX7</a>



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**Background:**

The nuclear pore complex is a massive structure that extends across the nuclear envelope, forming a gateway that regulates the flow of macromolecules between the nucleus and the cytoplasm. Nucleoporins are the main components of the nuclear pore complex in eukaryotic cells. NUP50 is a member of the FG-repeat containing nucleoporins that functions as a soluble cofactor in importin-alpha:beta-mediated nuclear protein import. NUP50 may serve as a binding site on the nuclear side of the pore complex for export receptor-cargo complexes. It interacts with multiple transport receptor proteins including p27Kip1. This interaction is required for correct intracellular transport and degradation of p27Kip1.

**Synonyms:**

Nucleoporin 50 kDa, NPAP60L

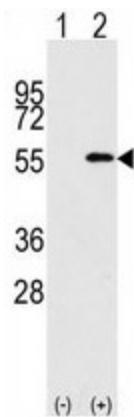
**Note:**

Molecular weight: 46863 Da

**Protein Families:**

Stem cell - Pluripotency

**Product images:**



Western blot analysis of NUP50 (arrow) using rabbit polyclonal NUP50 Antibody (C-term). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the NUP50 gene (Lane 2) (Origene Technologies).



Western blot analysis of anti-NUP50 in mouse brain tissue lysate. NUP50 (arrow) was detected using the purified Pab.