



## Rabbit Anti-Nucleobindin 1 antibody

SL19500R

<b>Product Name:</b>	Nucleobindin 1
<b>Chinese Name:</b>	核Binding proteinNUCB1抗体
<b>Alias:</b>	CALNUC; FLJ40471; NUC; NUCB 1; NUCB1; NUCB1_HUMAN; Nucleobindin 1; Nucleobindin-1.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Dog,Pig,Cow,Horse,Rabbit,Sheep,
<b>Applications:</b>	WB=1:500-2000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	54kDa
<b>Cellular localization:</b>	cytoplasmicSecretory protein
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human Nucleobindin 1:21-120/461
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	<p>This gene encodes a member of a small calcium-binding EF-hand protein family. The encoded protein is thought to have a key role in Golgi calcium homeostasis and Ca(2+)-regulated signal transduction events. [provided by RefSeq, Jun 2010]</p> <p><b>Function:</b> Major calcium-binding protein of the Golgi. May have a role in calcium homeostasis.</p>

**Subcellular Location:**

Golgi apparatus > cis-Golgi network membrane. Cytoplasm. A small fraction of the protein may be cytoplasmic.

**Tissue Specificity:**

Expressed both in fetal and adult heart, lung, liver, kidney and brain, and in adult skeletal muscle, placenta and pancreas.

**Post-translational modifications:**

Phosphorylated upon DNA damage, probably by ATM or ATR.

**Similarity:**

Belongs to the nucleobindin family.  
Contains 2 EF-hand domains.

**SWISS:**

Q02818

**Gene ID:**

4924

**Database links:**

[Entrez Gene: 4924](#) Human

[Entrez Gene: 18220](#) Mouse

[Entrez Gene: 84595](#) Rat

[Omim: 601323](#) Human

[SwissProt: Q02818](#) Human

[SwissProt: Q02819](#) Mouse

[SwissProt: Q63083](#) Rat

[Unigene: 631602](#) Human

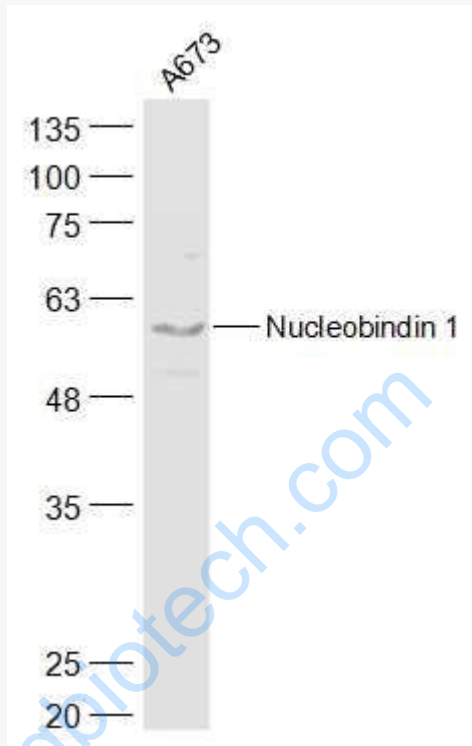
[Unigene: 258923](#) Mouse

[Unigene: 1492](#) Rat

**Important Note:**

This product as supplied is intended for research use only, not for use in human,

therapeutic or diagnostic applications.



Picture:

Sample:

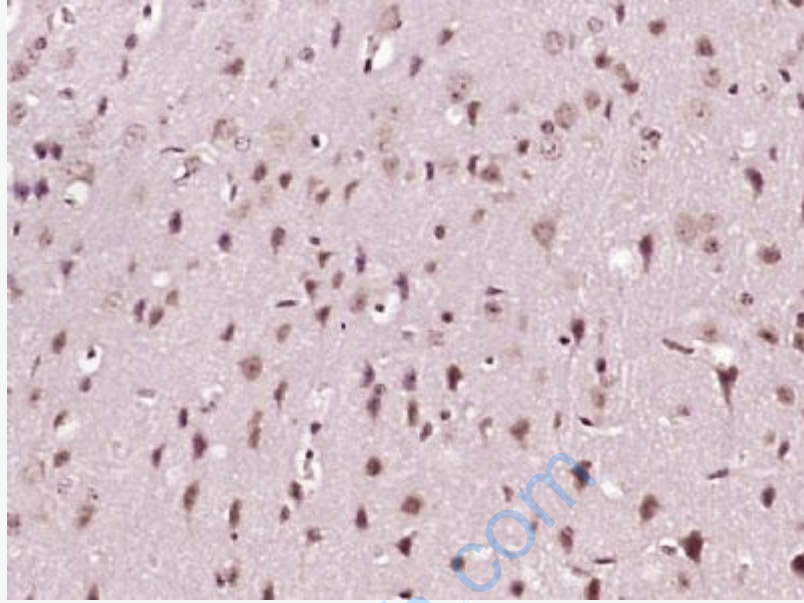
A673(Human) Cell Lysate at 30 ug

Primary: Anti-alpha smooth muscle Actin (SL19500R) at 1/500 dilution

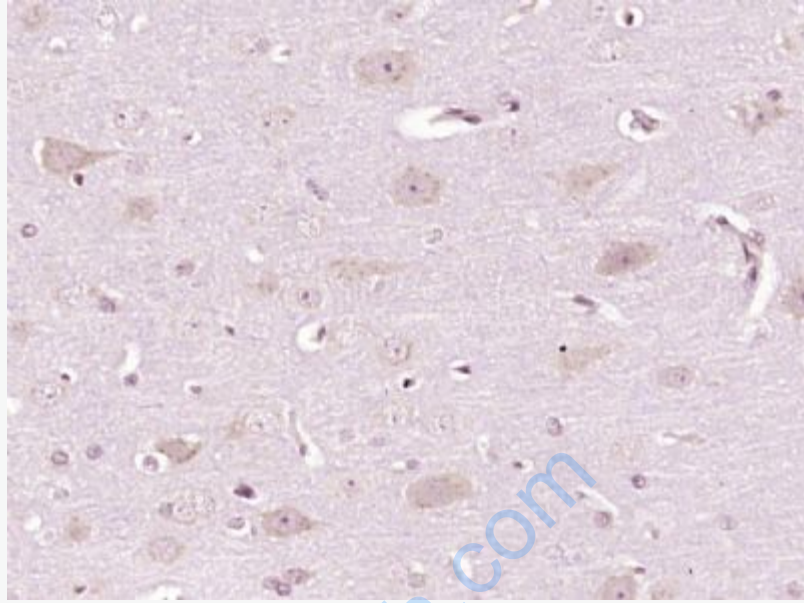
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 54 kD

Observed band size: 54 kD



Paraformaldehyde-fixed, paraffin embedded (mouse brain tissue); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Nucleobindin 1) Polyclonal Antibody, Unconjugated (SL19500R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (rat brain tissue); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Nucleobindin 1) Polyclonal Antibody, Unconjugated (SL19500R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.