

Nucleobindin 1 Rabbit pAb

Nucleobindin 1 Rabbit pAb

Catalog # AP57550

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	Q02818
Reactivity	Rat, Human, Mouse
Predicted	Pig, Rabbit, Dog, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	53879
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human Nucleobindin 1
Epitope Specificity	21-120/461
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Golgi apparatus > cis-Golgi network membrane. Cytoplasm. A small fraction of the protein may be cytoplasmic.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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]

Additional Information

Gene ID	4924
Other Names	Nucleobindin-1, CALNUC, NUCB1, NUC
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. 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.

Protein Information

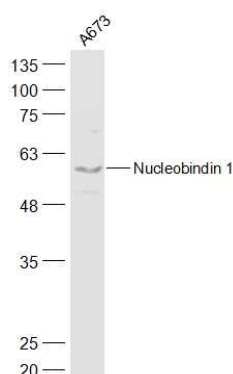
Name	NUCB1
Synonyms	NUC

Function	Major calcium-binding protein of the Golgi which may have a role in calcium homeostasis (By similarity). Acts as a non-receptor guanine nucleotide exchange factor which binds to and activates alpha subunits of guanine nucleotide-binding proteins (G proteins) (By similarity).
Cellular Location	Golgi apparatus, cis-Golgi network membrane {ECO:0000250 UniProtKB:Q63083}; Peripheral membrane protein {ECO:0000250 UniProtKB:Q63083}; Luminal side {ECO:0000250 UniProtKB:Q63083}. Cytoplasm {ECO:0000250 UniProtKB:Q63083}. Secreted {ECO:0000250 UniProtKB:Q63083}. Note=A small fraction of the protein may be cytoplasmic. {ECO:0000250 UniProtKB:Q63083}
Tissue Location	Expressed both in fetal and adult heart, lung, liver, kidney and brain, and in adult skeletal muscle, placenta and pancreas

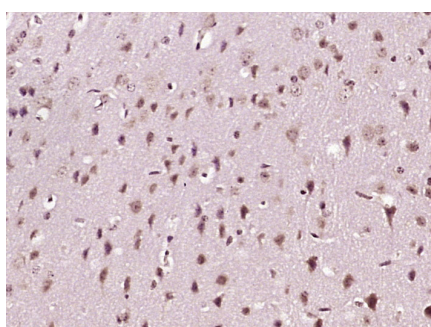
Background

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Images



Sample:
A673(Human) Cell Lysate at 30 ug
Primary: Anti-alpha smooth muscle Actin (AP57550) 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 (AP57550) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.