

NUCKS1 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP9527a

Product Information

Application	WB, FC, E
Primary Accession	Q9H1E3
Other Accession	NP_073568
Reactivity	Human
Predicted	Mouse, Rat, Bovine, Canine, Rabbit, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB24085
Calculated MW	27296
Antigen Region	45-73

Additional Information

Gene ID	64710
Other Names	Nuclear ubiquitous casein and cyclin-dependent kinase substrate 1, P1, NUCKS1, NUCKS
Target/Specificity	This NUCKS1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 45-73 amino acids from the N-terminal region of human NUCKS1.
Dilution	WB~~1:1000 FC~~1:10~50 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	NUCKS1 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	NUCKS1 {ECO:0000303 PubMed:26323318, ECO:0000312 HGNC:HGNC:29923}
Function	Chromatin-associated protein involved in DNA repair by promoting

homologous recombination (HR) (PubMed:[26323318](#)). Binds double-stranded DNA (dsDNA) and secondary DNA structures, such as D- loop structures, but with less affinity than RAD51AP1 (PubMed:[26323318](#)).

Cellular Location

Nucleus. Chromosome

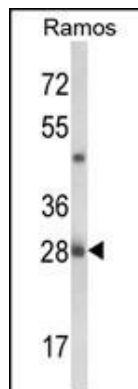
Tissue Location

Widely expressed, with highest levels in thyroid gland, prostate and uterus and in fetal liver, thymus and lung

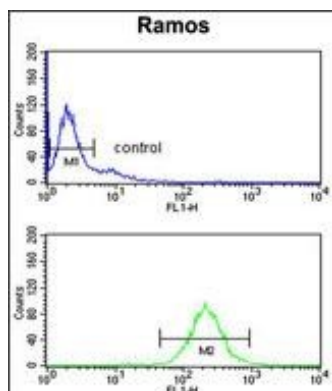
References

- Satake, W., et al. Nat. Genet. 41(12):1303-1307(2009)
Simon-Sanchez, J., et al. Nat. Genet. 41(12):1308-1312(2009)
Martins-de-Souza, D., et al. Eur Arch Psychiatry Clin Neurosci 259(3):151-163(2009)
Wisniewski, J.R., et al. Proteins 73(3):710-718(2008)
Grundt, K., et al. Biochim. Biophys. Acta 1773(9):1398-1406(2007)

Images



Western blot analysis of NUCKS1 Antibody (N-term) (Cat. #AP9527a) in Ramos cell line lysates (35ug/lane). NUCKS1 (arrow) was detected using the purified Pab.



NUCKS1 Antibody (N-term) (Cat. #AP9527a) flow cytometry analysis of Ramos cells (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

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