

For Research Use Only

NUCKS1 Polyclonal antibody

Catalog Number: 12023-2-AP

Featured Product

5 Publications



Basic Information

Catalog Number: 12023-2-AP	GenBank Accession Number: BC000805	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 900 µg/ml by Nanodrop and 440 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 64710	Recommended Dilutions: WB 1:500-1:2000 IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate IHC 1:50-1:500
Source: Rabbit	Full Name: nuclear casein kinase and cyclin-dependent kinase substrate 1	
Isotype: IgG	Calculated MW: 243 aa, 27 kDa	
Immunogen Catalog Number: AG2652	Observed MW: 45 kDa	

Applications

Tested Applications: IHC, IP, WB, ELISA	Positive Controls: WB : BxPC-3 cells, HEK-293 cells, MCF-7 cells, SW 1990 cells IP : HEK-293 cells, IHC : human gliomas tissue, rat pancreas tissue
Cited Applications: ChIP, IF, IHC, WB	
Species Specificity: human, rat	
Cited Species: human, mouse, bovine	

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Background Information

Nuclear ubiquitous casein and cyclin-dependent kinase substrate 1 (NUCKS1) is a nuclear protein that is highly conserved in vertebrates. The conserved regions of the protein contain several consensus phosphorylation sites for casein kinase II and cyclin-dependent kinases, two putative nuclear localization signals, and a basic DNA-binding domain. It is phosphorylated by CDK1 and casein kinase during mitosis of the cell cycle. Phosphorylated upon DNA damage, probably by ATM or ATR. Widely expressed, with highest levels in thyroid gland, prostate and uterus and in fetal liver, thymus and lung. Two isoforms of NUCKS1 exist due to alternative splicing events.

Notable Publications

Author	Pubmed ID	Journal	Application
Erhu Zhao	32958058	J Exp Clin Cancer Res	WB
Samuel Hume	34845229	Nat Commun	ChIP
Xiaohan Yuan	30710349	J Cell Physiol	WB,IF

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
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