

NUCKS1 Polyclonal Antibody

Catalog number: 12023-2-AP

Size: 66 µg/150 µl

Source: Rabbit

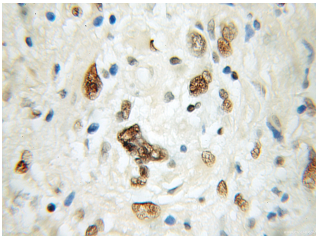
Isotype: IgG

Synonyms:

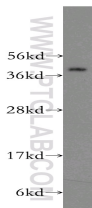
NUCKS1; FLJ21480, FLJ32016,

FLJ38536, JC7, NUCKS,

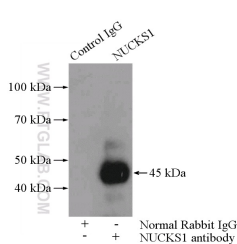
NUCKS1, P1



Immunohistochemical of paraffin-embedded human gliomas using 12023-2-AP (NUCKS1 antibody) at dilution of 1:50 (under 40x lens)



SGC-7901 cells were subjected to SDS PAGE followed by western blot with 12023-2-AP (NUCKS1 antibody) at dilution of 1:400



IP Result of anti-NUCKS1 (IP:12023-2-AP, 4µg; Detection:12023-2-AP 1:500) with HEK-293 cells lysate 2800µg.

Background

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.

Applications

Tested applications:	ELISA, WB, IHC, IP
Species specificity:	Human, Mouse, Rat; other species not tested.
Calculated NUCKS1 MW:	243aa, 27 kDa
Observed NUCKS1 MW:	45 kDa
Positive WB detected in	SGC-7901 cells, HEK-293 cells, L02 cells, MCF-7 cells
Positive IP detected in	HEK-293 cells
Positive IHC detected in	Human gliomas tissue
Recommended dilution:	WB: 1:200-1:2000
	IP: 1:200-1:2000
	IHC: 1:20-1:200

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

Immunogen:	Ag2652
GenBank accession number:	BC000805
Gene ID (NCBI):	64710
Full name:	Nuclear casein kinase and cyclin-dependent kinase substrate 1

Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.