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NUCKS1 Rabbit pAb

Catalog # AP99876

Product Information

Application	IHC-P, IHC-F, IF, E
Primary Accession	Q9H1E3
Other Accession	Q9H1E3
Predicted	Rat, Human, Mouse, Rabbit, Chicken, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	27296
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human NUCKS1
Epitope Specificity	51-150/243
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Post-translational modifications	Phosphorylated by CDK1 and casein kinase. Phosphorylated upon DNA damage, probably by ATM or ATR.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Additional Information

Gene ID	64710
Other Names	JC7; NUCKS; 2700010L10Rik; 8430423A01Rik; NUCKS_HUMAN; NUCKS1; P1; NUCKS_MOUSE; NUCKS_RAT; nuclear casein kinase and cyclin dependent kinase substrate 1
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,ELISA=1:5000-10000
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	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

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