

DOC-1 Polyclonal Antibody

Cat No: HR1AP3301

For research use only

Overview

Product Name	DOC-1 Polyclonal Antibody
Source	Rabbit
Applications	WB,ELISA
Species Reactivity	Human,Mouse
Recommended Dilutions	
Immunogen	
Species	Rabbit
Storage	-20°C/1 year
Isotype	
Clonality	
Concentration	1 mg/ml
Observed band	20kDa
GeneID?Human?	CDK2AP1
Human Swiss-Prot No.	
Cellular localization	
Alternative Names	CDK2AP1; CDKAP1; DOC1; Cyclin-dependent kinase 2-associated protein 1; CDK2-associated protein 1; Deleted in oral cancer 1; DOC-1; Putative oral cancer suppressor
Background	cyclin dependent kinase 2 associated protein 1(CDK2AP1) Homo sapiens The protein encoded by this gene is a cyclin-dependent kinase 2 (CDK2) -associated protein which is thought to negatively regulate CDK2 activity by sequestering monomeric CDK2, and targeting CDK2 for proteolysis. This protein was found to also interact with DNA polymerase alpha/primase and mediate the phosphorylation of the large p180 subunit, which suggests a regulatory role in DNA replication during the S-phase of the cell cycle. This protein also forms a core subunit of the nucleosome remodeling and histone deacetylation (NURD) complex that epigenetically regulates embryonic stem cell differentiation. This gene thus plays a role in both cell-cycle and epigenetic regulation. Alternative splicing results in multiple transcript variants encoding distinct isoforms. [provided by RefSeq, Jul 2012],