Best Tools for immunology Research

DOC-1 Polyclonal Antibody

Catalog No :	YT1389
Reactivity :	Human;Mouse
Applications :	WB;ELISA
Target :	DOC-1
Gene Name :	CDK2AP1
Protein Name :	Cyclin-dependent kinase 2-associated protein 1
Human Gene Id :	8099
Human Swiss Prot No :	O14519
Mouse Gene Id :	13445
Mouse Swiss Prot No :	O35207
Immunogen :	The antiserum was produced against synthesized peptide derived from human CDKAP1. AA range:51-100
Specificity :	DOC-1 Polyclonal Antibody detects endogenous levels of DOC-1 protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. ELISA: 1:5000. Not yet tested in other applications.
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band : 20kD

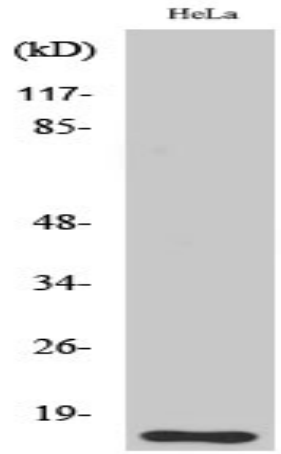
Background : cyclin dependent kinase 2 associated protein 1(CDK2AP1) Homo sapiens The protein encoded by this gene is a cyclin-dependent kinase 2 (CDK2) -associated protein which is thought to negatively regulate CDK2 activity by sequestering monomeric CDK2, and targeting CDK2 for proteolysis. This protein 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],

Function : similarity:Belongs to the CDK2AP family.,

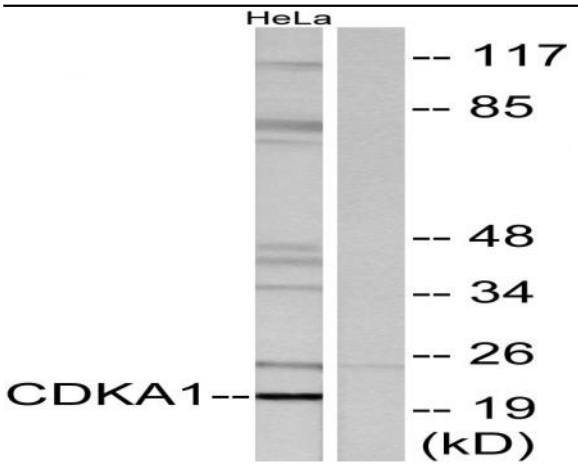
Subcellular Location : nucleus,perinuclear region of cytoplasm,

Expression : Skin,Testis,

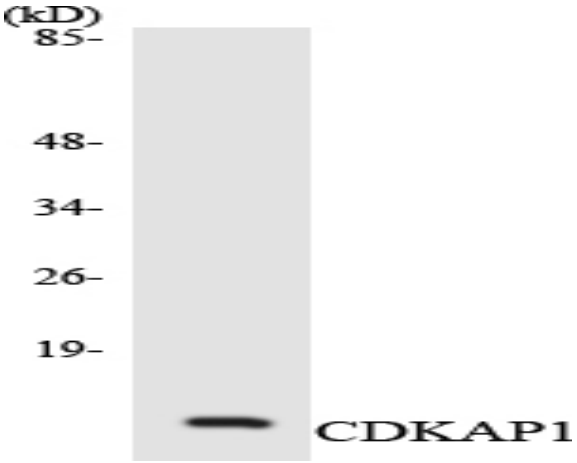
Products Images



Western Blot analysis of various cells using DOC-1 Polyclonal Antibody diluted at 1:500



Western blot analysis of lysates from HeLa cells, using CDKPA1 Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from HeLa cells using CDKAP1 antibody.