

CDK2AP2 Rabbit pAb

CDK2AP2 Rabbit pAb

Catalog # AP58829

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	O75956
Predicted	Rat, Pig, Dog, Human, Mouse, Chicken, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	13101
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human CDK2AP2
Epitope Specificity	75-126/126
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	This gene encodes a protein that interacts with cyclin-dependent kinase 2 associated protein 1. Pseudogenes associated with this gene are located on chromosomes 7 and 9. Alternatively spliced transcript variants have been observed for this gene. [provided by RefSeq, Dec 2012].

Additional Information

Gene ID	10263
Other Names	Cyclin-dependent kinase 2-associated protein 2, CDK2-associated protein 2, DOC-1-related protein, DOC-1R, CDK2AP2, DOC1R
Dilution	WB=1:500-2000,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	CDK2AP2
Synonyms	DOC1R

Function	Acts as a component of the histone deacetylase NuRD complex which participates in the remodeling of chromatin (PubMed: 33283408). Inhibits cell cycle G1/S phase transition by repressing CDK2 expression and activation; represses CDK2 activation by inhibiting its interaction with cyclin E and A (PubMed: 23781148). Plays a role in regulating the self-renewal of embryonic stem cells (ESCs) and in maintaining cell survival during terminal differentiation of ESCs (By similarity). Regulates microtubule organization of metaphase II oocytes (By similarity).
Cellular Location	Cytoplasm. Nucleus Note=Accumulates in immature oocytes in the nucleus. During the first meiotic division, accumulates in the cytoplasm and localizes in dots in the vicinity of the chromosomes in a region enriched in microtubules {ECO:0000250 UniProtKB:Q9CPY4}
Tissue Location	Ubiquitous..

Background

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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