

Cdc23 Polyclonal Antibody

Catalog No: YT0792

Reactivity: Human; Mouse; Monkey

Applications: WB;ELISA

Target: Cdc23

Fields: >>Cell cycle;>>Oocyte meiosis;>>Ubiquitin mediated

proteolysis;>>Progesterone-mediated oocyte maturation;>>Human T-cell

leukemia virus 1 infection

Gene Name: CDC23

Protein Name: Cell division cycle protein 23 homolog

Q9UJX2

Q8BGZ4

Human Gene Id: 8697

Human Swiss Prot

No:

Mouse Gene Id: 52563

Mouse Swiss Prot

No:

Immunogen: The antiserum was produced against synthesized peptide derived from human

APC8. AA range:251-300

Specificity: Cdc23 Polyclonal Antibody detects endogenous levels of Cdc23 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: 1:20000. 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: 69kD

Cell Pathway: Cell_Cycle_G1S;Cell_Cycle_G2M_DNA;Oocyte meiosis;Ubiquitin mediated

proteolysis; Progesterone-mediated oocyte maturation;

Background: The protein encoded by this gene shares strong similarity with Saccharomyces

cerevisiae Cdc23, a protein essential for cell cycle progression through the G2/M transition. This protein is a component of anaphase-promoting complex (APC), which is composed of eight protein subunits and highly conserved in eukaryotic

cells. APC catalyzes the formation of cyclin B-ubiquitin conjugate that is responsible for the ubiquitin-mediated proteolysis of B-type cyclins. This protein

and 3 other members of the APC complex contain the TPR (tetratricopeptide repeat), a protein domain important for protein-protein interaction. [provided by

RefSeq, Jul 2008],

Function: function: Component of the anaphase promoting complex/cyclosome (APC/C), a

cell cycle-regulated ubiquitin ligase that controls progression through mitosis and

the G1 phase of the cell cycle.,pathway:Protein modification; protein ubiquitination.,PTM:Phosphorylated. Phosphorylation on Thr-556 occurs

specifically during mitosis., similarity: Belongs to the APC8/CDC23

family.,similarity:Contains 9 TPR repeats.,subunit:The APC/C is composed of at

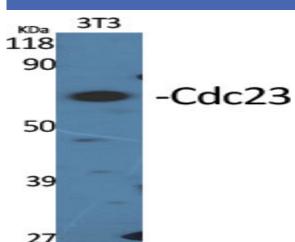
least 11 subunits.,

Subcellular Location:

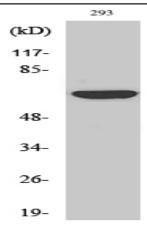
intracellular, nucleoplasm, anaphase-promoting complex, cytosol,

Expression: Bone marrow, Brain, Duodenum, Epithelium, Pancreas, Placenta,

Products Images



Western Blot analysis of various cells using Cdc23 Polyclonal Antibody diluted at 1:2000



Western Blot analysis of COS7 cells using Cdc23 Polyclonal Antibody diluted at 1:2000