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Rabbit Anti-Cdc6 antibody

SL1390R

Product Name:	Cdc6
Chinese Name:	细胞分裂周期蛋白6抗体
Alias:	Cell Division Cycle protein 6; Cdc 18L; Cdc 6; CDC18 (cell division cycle 18, S.pombe, homolog) like; CDC18 (S.pombe); CDC18 like; CDC18(S.pombe); Cdc18L; CDC6 related protein; Cdc6p; Cell cycle controller; Cell division control protein 6; Cell division control protein 6 homolog; Cell division cycle 18; Cell division cycle 18 homolog; Cell division cycle 6 homolog; Cell division cycle 6 protein; HsCDC 18; HsCDC 6; HsCDC18; HsCDC6; p62; p62(cdc 6); p62(cdc6).
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Cow,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500（Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	63kDa
Cellular localization:	The nucleuscytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human Cdc6:151-300/560
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. 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.
PubMed:	PubMed
Product Detail:	Cell cycle events are regulated by the sequential activation and deactivation of cyclin depended kinase (Cdks) and by the proteolysis of cyclins. The cell division cycle (Cdc)

genes are required at various points in the cell cycle. Cdc6 is the human homolog of Saccharomyces cerevisiae Cdc6, which is involved in the initiation of DNA replication. Cdc6 is essential for assembling the pre-replicative complex that forms at origins of DNA replication in the G1 phase of the cell cycle in budding yeast (S. cerevisiae). Cdc6 is also involved in checkpoint controls that ensure that DNA replication is completed before initiation of mitosis.

Function:
Involved in the initiation of DNA replication. Also participates in checkpoint controls that ensure DNA replication is completed before mitosis is initiated.

Subunit:
Interacts with PCNA, ORC1L, cyclin-CDK and HUWE1.

Subcellular Location:
Nucleus. Cytoplasm. The protein is nuclear in G1 and cytoplasmic in S-phase cells.

DISEASE:
Defects in CDC6 are the cause of Meier-Gorlin syndrome type 5 (MGORS5) [MIM:613805]. MGORS5 is a syndrome characterized by bilateral microtia, aplasia/hypoplasia of the patellae, and severe intrauterine and postnatal growth retardation with short stature and poor weight gain. Additional clinical findings include anomalies of cranial sutures, microcephaly, apparently low-set and simple ears, microstomia, full lips, highly arched or cleft palate, micrognathia, genitourinary tract anomalies, and various skeletal anomalies. While almost all cases have primordial dwarfism with substantial prenatal and postnatal growth retardation, not all cases have microcephaly, and microtia and absent/hypoplastic patella are absent in some. Despite the presence of microcephaly, intellect is usually normal.

Similarity:
Sequence similaritiesBelongs to the CDC6/cdc18 family.

SWISS:
Q99741

Gene ID:
990

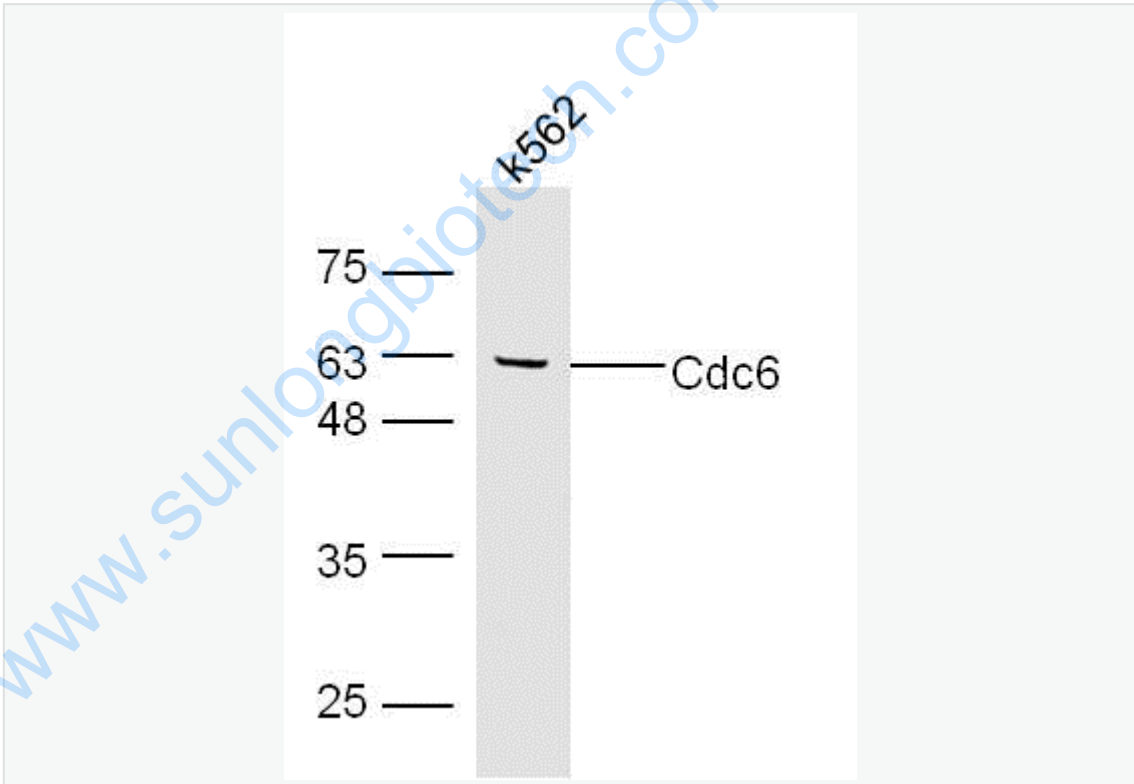
Database links:

Entrez Gene: 990Human

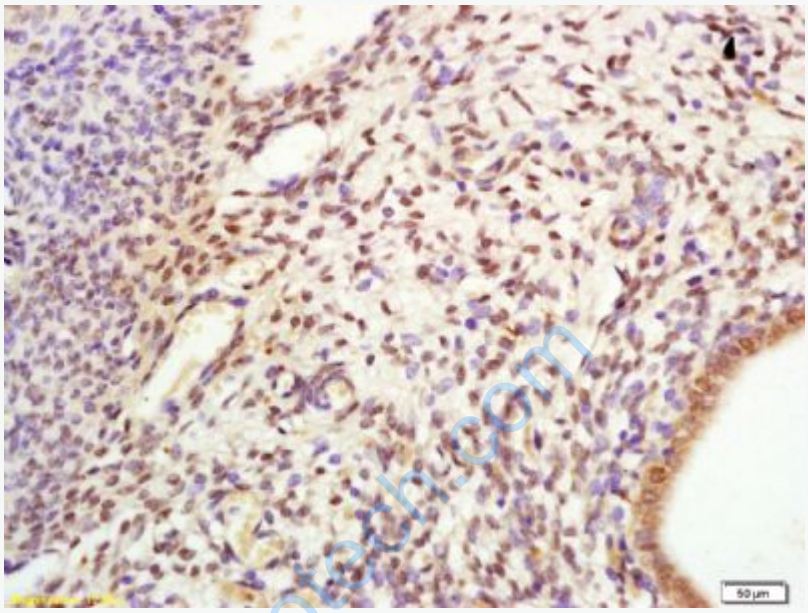
Entrez Gene: 23834Mouse

Omim: 602627Human

SwissProt: Q99741Human

	SwissProt: O89033Mouse Unigene: 405958Human Unigene: 20912Mouse **Important Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications. transcriptional regulatory factor（Transcriptin Regulators） 细胞分裂周期蛋白6也是细胞周期调节蛋白，是真核生物DNA复制的主要调控因子，参与构成DNA前复制复合物。
Picture:	 Sample: K562 Cell Lysate at 30 ug Primary: Anti- Cdc6 (SL1390R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 63 kD

Observed band size: 63 kD



Tissue/cell: rat uterus tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37℃ for 20 min;

Incubation: Anti-Cdc6 Polyclonal Antibody, Unconjugated(SL1390R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining