



## Rabbit Anti-CDC123 antibody

SL7781R

<b>Product Name:</b>	CDC123
<b>Chinese Name:</b>	细胞分裂周期蛋白CDC123抗体
<b>Alias:</b>	C10orf7; CD123_HUMAN; CDC123; Cell division cycle protein 123 homolog; D123; HT 1080; HT-1080; Protein D123; PZ32.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Dog,Pig,Cow,Horse,Rabbit,Sheep,
<b>Applications:</b>	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800Flow-Cyt=1µg/TestIF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	39kDa
<b>Cellular localization:</b>	cytoplasmic
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human CDC123/C10orf7:101-200/336
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	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.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	Required for S phase entry of the cell cycle.The eukaryotic cell division cycle consists of a number of gene-controlled sequences that involve cyclin dependent kinases (Cdks) and cell division control (Cdc) proteins. Cdc123 (Cell division cycle protein 123), also known as D123, is a 336 amino acid cytoplasmic protein that is involved in cell cycle control. Widely expressed with high expression in thymus, spleen, ovary, testis, small intestine and leukocytes, Cdc123 functions to destabilize Chfr (checkpoint with

forkhead and ring finger domain) proteins which, when accumulated, block the G to S phase transition. Cdc123 prevents the Chfr proteins from collecting in the cell, thereby allowing the cell to enter the S phase. Due to its role in cell cycle control, Cdc123 is thought to be a basal marker for luminal breast cancers.

**Function:**

Required for S phase entry of the cell cycle

**Subcellular Location:**

Cytoplasm.

**Tissue Specificity:**

Widely expressed. Expressed in spleen, thymus, prostate, testis, ovary, small intestine, colon and leukocytes with the highest expression in testis.

**Similarity:**

Belongs to the CDC123 family.

**SWISS:**

O75794

**Gene ID:**

8872

**Database links:**

[Entrez Gene: 8872](#)Human

[Entrez Gene: 98828](#)Mouse

[Entrez Gene: 116656](#)Rat

[SwissProt: O75794](#)Human

[SwissProt: Q8CII2](#)Mouse

[SwissProt: Q62834](#)Rat

[Unigene: 412842](#)Human

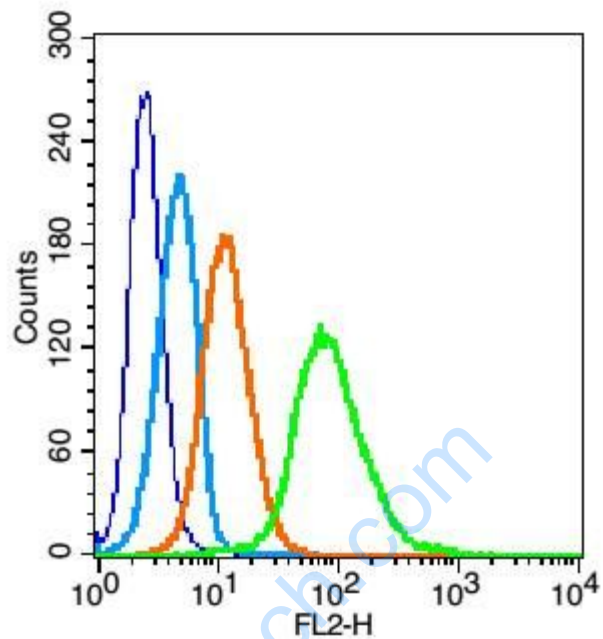
[Unigene: 181490](#)Mouse

[Unigene: 11096](#)Rat

**Important Note:**

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

Picture:



Blank control: U937(fixed with 2% paraformaldehyde (10 min)).

Primary Antibody: Rabbit Anti-CDC123 antibody(SL7781R), Dilution: 1 $\mu$ g in 100  $\mu$ L 1X PBS containing 0.5% BSA;

Isotype Control Antibody: Rabbit IgG (orange) ,used under the same conditions.

Secondary Antibody: Goat anti-rabbit IgG-PE(white blue), Dilution: 1:200 in 1 X PBS containing 0.5% BSA.