

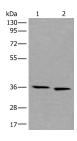
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# **CDC123 Polyclonal Antibody**

Catalog No.E-AB-17737ReactivityH,M,RStorageStore at -20°C. Avoid freeze / thaw cycles.HostRabbitApplicationsWB,ELISAIsotypeIgG

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

## **Images**



Western blot analysis of 293T and Hela cell lysates using CDC123 Polyclonal Antibody at dilution of 1:550

## **Immunogen Information**

**Immunogen** Synthetic peptide of human CDC123

**Gene Accession** NP006014 **Swissprot** O75794

**Synonyms** C10orf7,CD123,CDC123,D123,HT

1080,HT-1080,Protein D123,PZ32

#### **Product Information**

Calculated MW 39 kDa

**Observed MW** Refer to figures

**Buffer** PBS with 0.05% NaN3 and 40% Glycerol,pH7.4

**Purify** Antigen affinity purification

**Dilution** WB 1:500-1:2000, ELISA 1:5000-1:10000

#### **Background**

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.