

CDC123 Antibody

Catalog No: #43860

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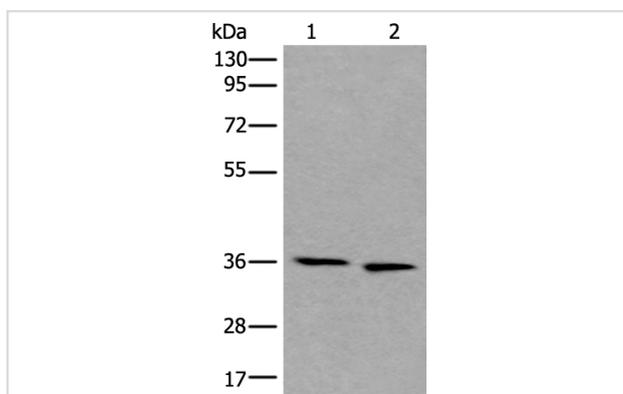
Description

Product Name	CDC123 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antigen affinity purification
Applications	WB
Species Reactivity	Hu Rt
Specificity	The antibody detects endogenous levels of total CDC123 protein.
Immunogen Type	peptide
Immunogen Description	Synthetic peptide of human CDC123
Target Name	CDC123
Other Names	D123; C10orf7
Accession No.	Swiss-Prot#: O75794NCBI Gene ID: 8872
Uniprot	O75794
GeneID	8872;
Calculated MW	39kd
Concentration	1.3mg/ml
Formulation	Rabbit IgG in pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol.
Storage	Store at -20°C

Application Details

Western blotting: 1:500-2000

Images



Gel: 8%SDS-PAGE

Lysate: 40 µg, Lane 1-2: 293T and Hela cell lysates,

Primary antibody: CDC123 antibody at dilution 1/550,

Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution,

Exposure time: 1 minute

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.

Note: This product is for in vitro research use only