

Recombinant Anti-CDC45 Rabbit mAb

Catalog # AP94996

Product Information

Application	WB, IHC, FC, IF/IC
Primary Accession	O75419
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Monoclonal
Calculated MW	65569

Additional Information

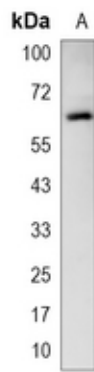
Gene ID	8318
Other Names	CDC45L; CDC45L2; Cell division control protein 45 homolog; PORC-PI-1
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within human CDC45 protein. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) IHC~~1:100~500 FC~~1:10~50 IF/IC~~N/A
Format	Liquid in PBS, pH 7.3, 50% glycerol, 0.05% BSA, and 0.05% Proclin300.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

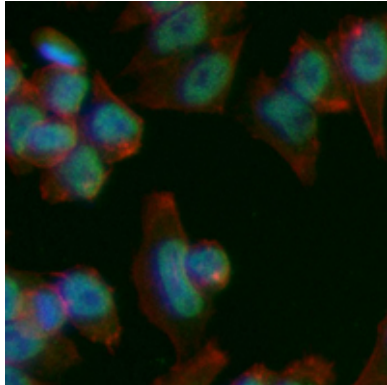
Name	CDC45 (HGNC:1739)
Synonyms	CDC45L, CDC45L2
Function	Required for initiation of chromosomal DNA replication. Core component of CDC45-MCM-GINS (CMG) helicase, the molecular machine that unwinds template DNA during replication, and around which the replisome is built.
Cellular Location	Nucleus. Chromosome. Note=Associates with chromatin
Tissue Location	Widely expressed, highest levels are found in adult testis and thymus and in fetal liver

Images

Western blot analysis of CDC45 expression in Jurkat (A)



whole cell lysates. (Predicted band size: 66 kD; Observed band size: 65 kD)



Immunofluorescent analysis of CDC45 staining in Jurkat cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with an AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

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