CDC40 Rabbit mAb

Catalog No: #49200

Package Size: #49200-1 50ul #49200-2 100ul

Signalway Antibody
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Support: tech@signalwayantibody.com

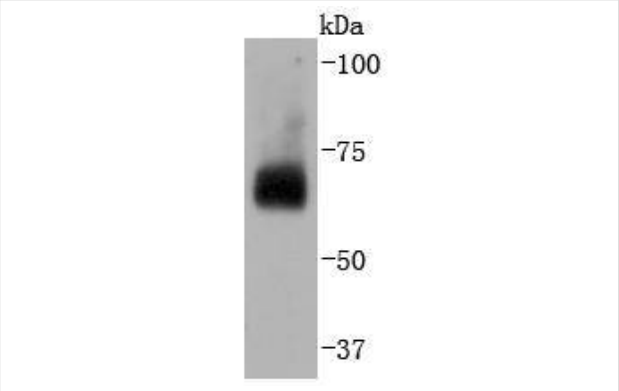
Description

Product Name	CDC40 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal
Clone No.	SD085-9
Purification	ProA affinity purified
Applications	WB, ICC/IF, IHC, FC
Species Reactivity	Hu, Ms, Rt
Immunogen Description	recombinant protein
Conjugates	Unconjugated
Other Names	Cdc40 antibody Cell division cycle 40 antibody Cell division cycle 40 homolog antibody EH binding protein 3 antibody EH-binding protein 3 antibody Ehb3 antibody hPRP17 antibody Pre mRNA processing factor 17 antibody Pre mRNA splicing factor 17 antibody Pre-mRNA-processing factor 17 antibody PRP17 antibody PRP17 homolog antibody PRP17_HUMAN antibody PRPF17 antibody
Accession No.	Swiss-Prot#:O60508
Calculated MW	66 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

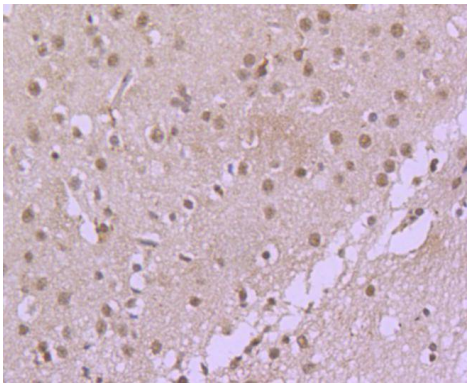
Application Details

WB: 1:1,000-5,000IHC: 1:50-1:200 ICC: 1:50-1:200FC: 1:50-1:100

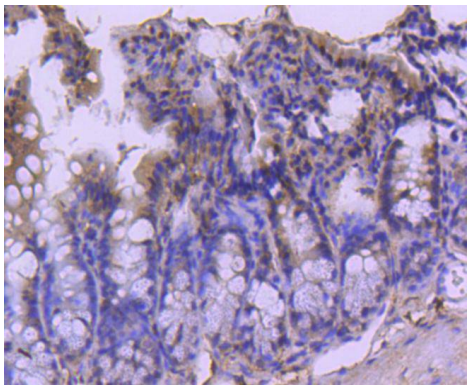
Images



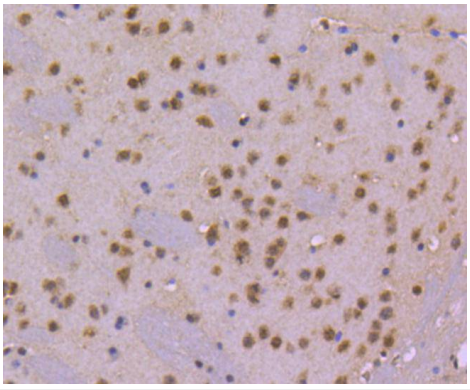
Western blot analysis of CDC40 on Hela cells lysates using anti-CDC40 antibody at 1/2,000 dilution.



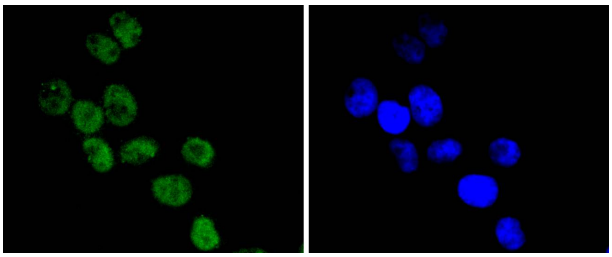
Immunohistochemical analysis of paraffin-embedded rat brain tissue using anti-CDC40 antibody. Counter stained with hematoxylin.



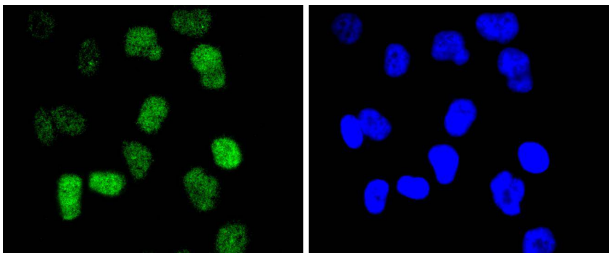
Immunohistochemical analysis of paraffin-embedded mouse colon tissue using anti-CDC40 antibody. Counter stained with hematoxylin.



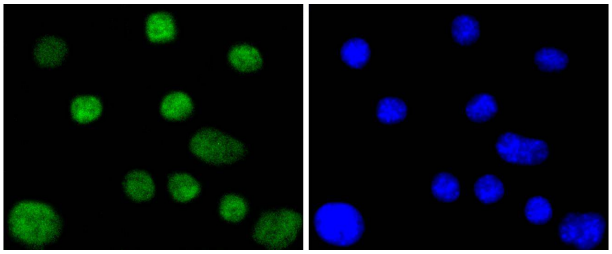
Immunohistochemical analysis of paraffin-embedded mouse brain tissue using anti-CDC40 antibody. Counter stained with hematoxylin.



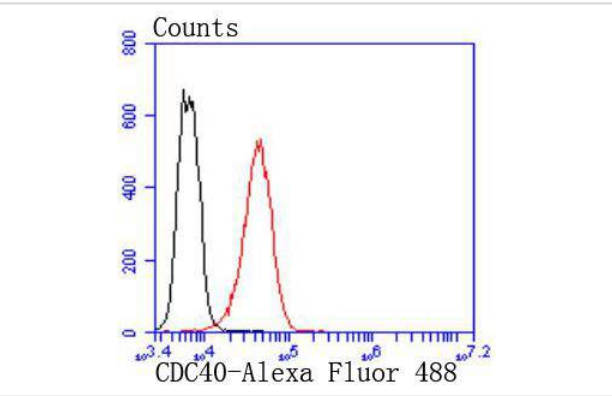
ICC staining CDC40 in Hela cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining CDC40 in HUVEC cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining CDC40 in SHG-44 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



Flow cytometric analysis of K562 cells with CDC40 antibody at 1/50 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody.

Background

Cell cycle events are regulated by the sequential activation and deactivation of cyclin dependent kinases (Cdks) and by the proteolysis of cyclins. The cell division control (Cdc) genes are required at various points in the cell cycle. Cdc40, also known as pre-mRNA-processing factor 17 (PRPF17) or EH-binding protein 3 (EHB3), is a 579 amino acid nuclear protein. Cdc40 is essential for the catalytic step II of the pre-mRNA splicing process, in which Cdc40 associates with the spliceosome C complex. Cdc40 contains seven WD repeats, which are important in protein-protein interactions. Cdc40 has sequence similarity to the yeast protein Prp17, which is involved in pre-mRNA splicing and cell cycle progression. The sequence similarity between the mammalian Cdc40 and the yeast Prp17 may indicate an additional role in cell cycle progression for mammalian Cdc40.

References

Note: This product is for in vitro research use only and is not intended for use in humans or animals.