Product Name: Cdc16 (phospho Ser560) Rabbit Polyclonal Antibody
Catalog #: APRab04411

Summary

Production Name	Cdc16 (phospho Ser560) Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	ELISA,IF,IHC,WB
Reactivity	Human,Mouse

Performance

Conjugation	Unconjugated
Modification	Phospho Antibody
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	CDC16
Alternative Names	CDC16; ANAPC6; Cell division cycle protein 16 homolog; Anaphase-promoting complex subunit 6; APC6; CDC16 homolog; CDC16Hs; Cyclosome subunit 6
Gene ID	8881.0
SwissProt ID	Q13042.The antiserum was produced against synthesized peptide derived from human CDC16/APC6 around the phosphorylation site of Ser560. AA range:526-575

Application

Dilution Ratio	WB 1:500 - 1:2000. IHC 1:100 - 1:300. IF 1:200 - 1:1000. ELISA: 1:20000. Not yet tested in other applications.

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Molecular Weight 72kD

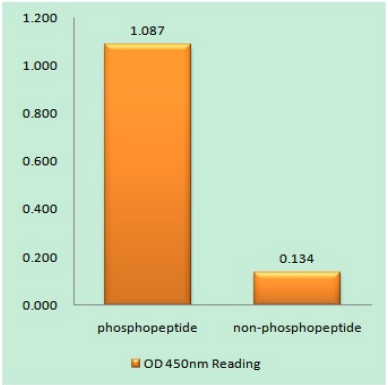
Background

The protein encoded by this gene functions as a protein ubiquitin ligase and is a component of the multiprotein APC complex. The APC complex is a cyclin degradation system that governs exit from mitosis by targeting cell cycle proteins for degredation by the 26S proteasome. Each component protein of the APC complex is highly conserved among eukaryotic organisms. This protein, and other APC complex proteins, contain a tetratricopeptide repeat (TPR) domain; a protein domain that is often involved in protein-protein interactions and the assembly of multiprotein complexes. Multiple alternatively spliced transcript variants, encoding distinct proteins, have been identified. [provided by RefSeq, Jan 2016],function:Component of the anaphase promoting complex/cyclosome (APC/C), a cell cycle-regulated ubiquitin ligase that controls progression through mitosis and the G1 phase of the cell cycle.,pathway:Protein modification; protein ubiquitination.,PTM:Phosphorylated. Phosphorylation on Ser-560 occurs specifically during mitosis.,similarity:Belongs to the APC6/CDC16 family.,similarity:Contains 7 TPR repeats.,subcellular location:Colocalizes with CDC27 to the centrosome at all stages of the cell cycle and to the mitotic spindle.,subunit:The APC/C is composed of at least 11 subunits. Interacts with PPP5C and CDC20.,

Research Area

Cell_Cycle_G1S;Cell_Cycle_G2M_DNA;Oocyte meiosis;Ubiquitin mediated proteolysis;Progesterone-mediated oocyte maturation;

Image Data



Enzyme-Linked Immunosorbent Assay （Phospho-ELISA） for Immunogen Phosphopeptide （Phospho-left） and Non-Phosphopeptide （Phospho-right）, using CDC16/APC6 （Phospho-Ser560） Antibody

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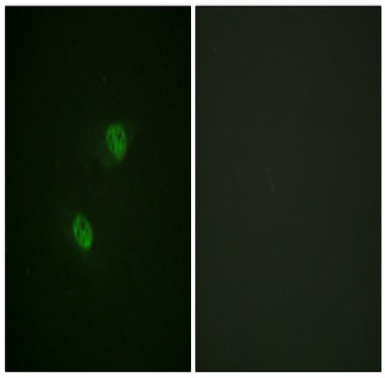
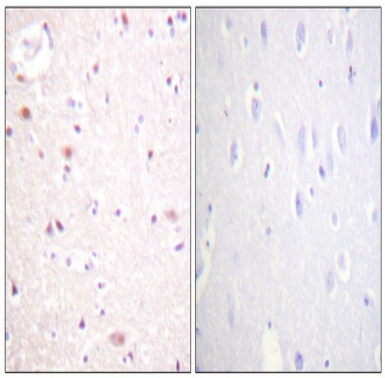
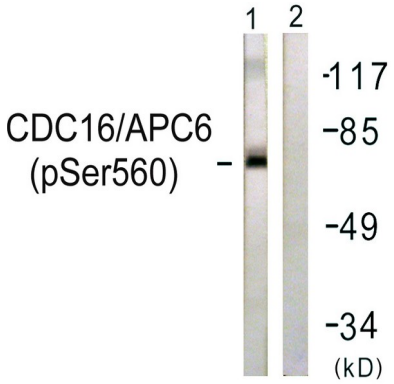


Immunofluorescence analysis of HeLa cells, using CDC16/APC6 (Phospho-Ser560) Antibody. The picture on the right is blocked with the phospho peptide.



Immunohistochemistry analysis of paraffin-embedded human brain, using CDC16/APC6 (Phospho-Ser560) Antibody. The picture on the right is blocked with the phospho peptide.



Western blot analysis of lysates from HUVEC cells, using CDC16/APC6 (Phospho-Ser560) Antibody. The lane on the right is blocked with the phospho peptide.

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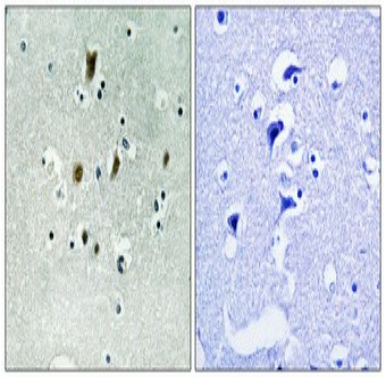

Immunohistochemical analysis of paraffin-embedded Human brain. Antibody was diluted at 1:100（4°,overnight）. High-pressure and temperature Tris-EDTA,pH8.0 was used for antigen retrieval. Negetive contrl （right） obtaned from antibody was pre-absorbed by immunogen peptide.

Note

For research use only.