



Cdc16 (phospho Ser560) Polyclonal Antibody

Catalog No	YP-Ab-16629
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB;IHC;IF;ELISA
Gene Name	CDC16
Immunogen	The antiserum was produced against synthesized peptide derived from human CDC16/APC6 around the phosphorylation site of Ser560. AA range:526-575
Specificity	Phospho-Cdc16 (S560) Polyclonal Antibody detects endogenous levels of Cdc16 protein only when phosphorylated at S560.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/20000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	ANAPC6;Anaphase promoting complex subunit 6;Anaphase-promoting complex subunit 6;Apc 6;APC6;CDC 16;CDC16 (cell division cycle 16 S. cerevisiae homolog);Cdc16;CDC16 homolog;CDC16 protein;CDC16_HUMAN;CDC16Hs; Cell division cycle 16;Cell division cycle 16 homolog;Cell division cycle protein 16 homolog;CUT9;Cyclosome subunit 6
Observed Band	72kD
Calculated Molecular Weight	72kD
Cell Pathway	Cytoplasm, cytoskeleton, microtubule organizing center, centrosome . Cytoplasm, cytoskeleton, spindle . Colocalizes with CDC27 to the centrosome at all stages of the cell cycle and to the mitotic spindle.
Tissue Specificity	Aorta endothelial cell,Brain,Epithelium,Lung,Skin,
Function	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.,

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 degradation 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],

matters needing attention

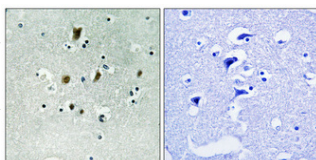
Avoid repeated freezing and thawing!

Usage suggestions

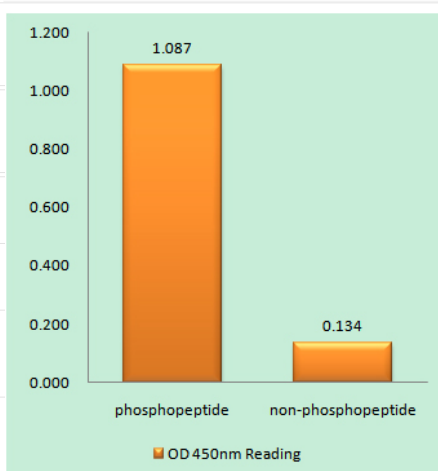
This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



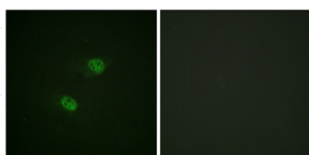
Products Images



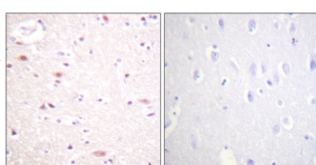
Immunohistochemical analysis of paraffin-embedded Human brain. Antibody was diluted at 1:100(4° overnight). High-pressure and temperature Tris-EDTA, pH8.0 was used for antigen retrieval. Negative contrl (right) obtained from antibody was pre-absorbed by immunogen peptide.



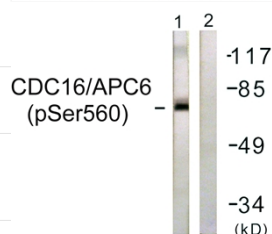
Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using CDC16/APC6 (Phospho-Ser560) Antibody



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.