10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

APC6 / CDC16 Antibody (phospho-Thr580)

Rabbit Polyclonal Antibody

Catalog # ALS11305

Specification

APC6 / CDC16 Antibody (phospho-Thr580) - Product Information

Application	**IHC**
Primary Accession	Q13042
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**72kDa KDa**

APC6 / CDC16 Antibody (phospho-Thr580) - Additional Information

Gene ID 8881

Other Names
Cell division cycle protein 16 homolog, Anaphase-promoting complex subunit 6, APC6, CDC16 homolog, CDC16Hs, Cyclosome subunit 6, CDC16, ANAPC6

Target/Specificity
Amino acids 575-588 of Human Apc6 protein.

Reconstitution & Storage
Long term: -20°C; Short term: +4°C. Avoid repeat freeze-thaw cycles.

Precautions
APC6 / CDC16 Antibody (phospho-Thr580) is for research use only and not for use in diagnostic or therapeutic procedures.

APC6 / CDC16 Antibody (phospho-Thr580) - Protein Information

Name CDC16

Synonyms ANAPC6

Function
Component of the anaphase promoting complex/cyclosome (APC/C), a cell cycle-regulated E3 ubiquitin ligase that controls progression through mitosis and the G1 phase of the cell cycle. The APC/C complex acts by mediating ubiquitination and subsequent degradation of target proteins: it mainly mediates the formation of 'Lys-11'-linked polyubiquitin chains and, to a lower extent, the formation of 'Lys-48'- and 'Lys-63'-linked polyubiquitin chains.

Cellular Location
Cytoplasm, cytoskeleton, microtubule organizing center, centrosome. Cytoplasm, cytoskeleton, spindle. Note=Colocalizes with CDC27 to the centrosome at all stages of the cell cycle and to the mitotic spindle

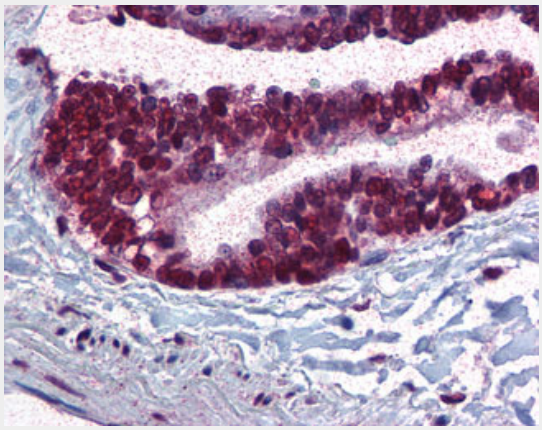
10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

APC6 / CDC16 Antibody (phospho-Thr580) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

APC6 / CDC16 Antibody (phospho-Thr580) - Images



Anti-CDC16 / Apc6 antibody IHC of human lung, respiratory epithelium.

APC6 / CDC16 Antibody (phospho-Thr580) - Background

Component of the anaphase promoting complex/cyclosome (APC/C), a cell cycle-regulated E3 ubiquitin ligase that controls progression through mitosis and the G1 phase of the cell cycle. The APC/C complex acts by mediating ubiquitination and subsequent degradation of target proteins: it mainly mediates the formation of 'Lys-11'-linked polyubiquitin chains and, to a lower extent, the formation of 'Lys-48'- and 'Lys-63'-linked polyubiquitin chains.

APC6 / CDC16 Antibody (phospho-Thr580) - References

Tugendreich S.,et al.Cell 81:261-268(1995).
Zhou P.K.,et al.Submitted (JUL-1999) to the EMBL/GenBank/DDBJ databases.
Dunham A.,et al.Nature 428:522-528(2004).
Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.
Ollendorff V.,et al.J. Biol. Chem. 272:32011-32018(1997).