

ANAPC11

Rabbit Anti-Human Anaphase Promoting Complex subunit 11 Clone Poly6116 pAb

Catalog No.	CSI14545 CSI14546	Quantity:	50 µl 200 µl
Alternate Names:	APC11, Apc11p, HSPC214, MGC882, APC11 anaphase promoting complex subunit 11, APC11 anaphase promoting complex subunit 11 homolog, anaphase promoting complex subunit 11 (yeast APC11 homolog)		
Description:	APC11 (anaphase-promoting complex subunit 11) is a member of the E3 enzyme family. This protein contains a RING-H2 domain and has a molecular weight of approximately 9.8 kD. The APC11 protein is distributed diffusely in the cytoplasm and is located in the nucleus with discrete accumulation in granular structures. The APC11 protein is a probable catalytic unit in the APC complex. The APC11 protein functions with other members of the APC complex as a multisubunit cell cycle ubiquitin ligase, and a regulator of sister chromatid separation by degrading securins. In addition, this protein functions in ubiquitin-dependent cyclin catabolism, metaphase/anaphase transition, and spindle elongation. The APC11 protein comprises one subunit of the anaphase promoting complex including APC1-8, and other probable complex proteins APC9-11, Cdc26, Mnd2, Swm1. The APC complex is inactivated by protein kinase A and is activated by CDC20 and Cdh1. In addition to the APC complex proteins, APC11 has been shown to interact with Ubc4.		
Structure:	E3 enzyme family, RING-H2 domain; 9.8 kD.		
Gene ID:	51529		
Distribution:	Distributed diffusely in cytoplasm, nucleus with discrete accumulation in granular structures.		
Function:	Probable catalytic subunit, multisubunit cell cycle ubiquitin ligase. Regulates sister chromatid separation by degrading securins. Involved in ubiquitin-dependent cyclin catabolism, metaphase/anaphase transition and spindle elongation.		
Host:	Rabbit		
Immunogen:	Recombinant (partial), N-terminal		
Isotype:	IgG		
Clone:	Poly6115		
Interaction:	Ubc4, anaphase promoting complex composed of eight protein subunits APC1-8, APC9-11, Cdc26, Mnd2, and Swm1.		

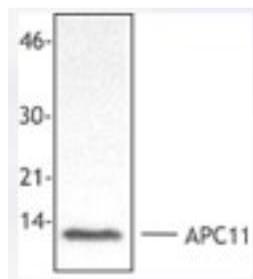
Formulation:



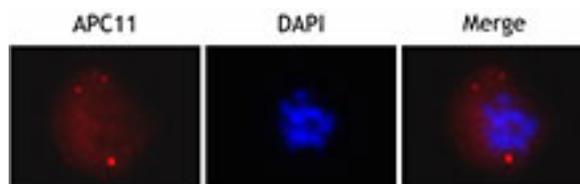
This antibody is provided in phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 50% glycerol. **Precaution:** Sodium azide is a poisonous and hazardous substance which should be handled by trained staff only.

- Purification:** The antibody was purified by antigen-affinity chromatography.
- Reactivity:** Mouse, Human
- Applications:** WB, IF
- Recommended Usage:** Each lot of this antibody is quality control tested by Western blotting. Western blotting, suggested working dilution(s): Use 10 μ l per 5 ml antibody dilution buffer for each mini-gel. It is recommended that the reagent be titrated for optimal performance for each application.
- Storage & Stability:** Upon receipt, store frozen at -20° C.
- Application Notes:** The Poly6116 antibody has been shown to be useful for Western blotting of the human and mouse APC11 protein.

MCF-7 cell extract was resolved by electrophoresis, transferred to nitrocellulose, and probed with rabbit anti-APC11 antibody. Proteins were visualized using a donkey anti-rabbit secondary conjugated to HRP and a chemiluminescence detection system.



Overnight nocodazole treated Hela cells stained with purified rabbit polyclonal antibody against APC11 followed by Rhodamine Red-X conjugated goat anti-rabbit IgG and DAPI.



NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.

