ANAPC2
Rabbit Anti-Human Anaphase Promoting Complex subunit 2 Clone Poly6108 pAb

Catalog No.	CSI14531 CSI14532	**Quantity:**	50 µl 200 µl

Alternate Names: APC2, RP11-350O14.5, anaphase-promoting complex subunit 2

Description: APC2 (anaphase-promoting complex subunit 2) is a member of the E3 enzyme family. This protein contains cullin repeats and has a molecular weight of approximately 105 kD. The APC2 protein is located in the nucleus during interphase, and at the centrosome during metaphase/anaphase. This protein comprises one subunit of the anaphase promoting complex including APC1-8, and other probable complex proteins APC9-11, Cdc26, Mnd2, Swm1. The APC2 protein functions as a probable catalytic subunit, 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 APC complex is inactivated by protein kinase A and is activated by CDC20 and Cdh1. The APC2 protein interacts with Rad51 (as well as the APC complex proteins noted above). The Poly6108 antibody has been shown to be useful for Western blotting of the human and mouse APC2 protein.

Structure: E3 enzyme family, cullin domain; 105 kD.

Gene ID: 29882

Distribution: Nuclear during interphase, centrosome during metaphase/anaphase.

Function: Probable catalytic subunit, multisubunit cell cycle ubiquitin ligase. Regulates sister chromatid separation by degrading securins. Involved inubiquitin-dependent cyclin catabolism, metaphase/anaphase transition, spindle elongation.

Host: Rabbit

Immunogen: Recombinant (partial), N-terminal

Isotype: IgG

Clone: Poly6108

Regulation: Complex inactivated by protein kinase A (PKA) pathway. Activated by CDC20 and Cdh1.

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.

Cell Sciences®
480 Neponset Street
Bldg 12A
Canton, MA 02021

Toll Free: 888-769-1246
Phone: 781-828-0610
Fax: 781-828-0542

E-mail: info@cellsciences.com
Website: www.cellsciences.com

Interaction: Rad51, anaphase promoting complex composed of eight protein subunits APC1-8, APC9 -11, Cdc26, Mnd2, and Swm1.

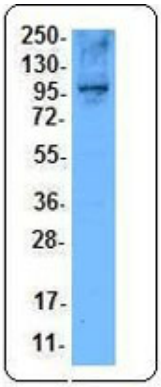
Reactivity: Mouse, Human

Applications: WB - Quality tested

Recommended Usage: Each lot of this antibody is quality control tested by Western blotting. Western blotting, suggested working dilution(s): Use 10 µl per 5 ml antibody dilution buffer for each mini-gel. It is recommended that the reagent be titrated for optimal performance for each application. HRP-conjugated secondary antibody should also be titrated for optimal performance.

Storage & Stability: Upon receipt, store frozen at -20° C.

Hela cell extract was resolved by electrophoresis, transferred to nitrocellulose, and probed with rabbit polylonal antibody against APC2 (dilution buffer: 5% w/v BSA, 1X TBS, 0.1% Tween-20). Proteins were visualized using a donkey anti-rabbit secondary conjugated to HRP and a chemiluminescence detection system.



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

Cell Sciences®
480 Neponset Street
Bldg 12A
Canton, MA 02021

Toll Free: 888-769-1246
Phone: 781-828-0610
Fax: 781-828-0542

E-mail: info@cellsciences.com
Website: www.cellsciences.com