

ANAPC10

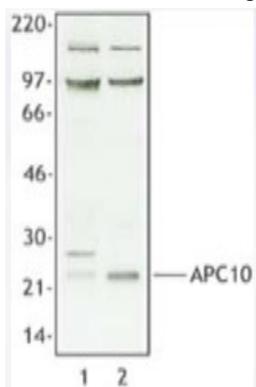
Rabbit Anti-Human Anaphase Promoting Complex subunit 10 Clone Poly6115 pAb

Catalog No.	CSI14543 CSI14544	Quantity:	50 µl 200 µl
Alternate Names:	APC10, DKFZp564L0562, DOC1		
Description:	<p>APC10 (anaphase-promoting complex subunit 10) is a member of the E3 enzyme family. This protein contains a Doc domain and has a molecular weight of approximately 21 kD. The APC10 protein is located at the centrosomes and mitotic spindles throughout mitosis and the kinetochores from prophase to anaphase, and at the midbody during telophase and cytokinesis. The APC10 protein is involved in substrate recognition and acts as a processivity factor. The APC10 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 APC10 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. The Poly6115 antibody has been shown to be useful for Western blotting of the human and mouse APC10 protein.</p>		
Structure:	E3 enzyme family, Doc domain; 21 kD.		
Gene ID:	10393		
Distribution:	Centrosomes, mitotic spindles throughout mitosis, kinetochores from prophase to anaphase, midbody in telophase and cytokinesis.		
Function:	Substrate recognition, processivity factor, 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		
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.
- Interaction:** Anaphase promoting complex composed of eight protein subunits APC1-8, APC9-11, Cdc26, Mnd2, and Swm1.
- Reactivity:** Mouse, Human
- Applications:** Western Blot - Quality Tested
- 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.

Nuclear extract from MCF-7 cells (lane 1) and Jurkat (lane 2) was resolved by electrophoresis, transferred to nitrocellulose, and probed with rabbit polyclonal anti-APC10 antibody. Proteins were visualized using a donkey anti-rabbit secondary conjugated to HRP and a chemiluminescence detection system. This antibody recognizes several proteins of unknown origin in addition to APC-10



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