

Purified anti-APC10

- Catalog # / Size:** 611501 / 50 μ l (5 Western blots)
611502 / 200 μ l (20 Western blots)
- Clone:** Poly6115
- Isotype:** Rabbit IgG
- Immunogen:** Recombinant (partial), N-terminal
- Reactivity:** Mouse, Human
- Preparation:** The antibody was purified by antigen-affinity chromatography.
- Formulation:** This antibody is provided in phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 50% glycerol.
- Storage:** Upon receipt, store frozen at -20° C.

Applications:

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 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.

Application References: 1. TranK, *et al.* 2008. *J Virol.* 82:529.PubMed

Description: 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.

Antigen References: 1. Kurasawa Y, *et al.* 1999. *Oncogene.* 18:5131.
2. Zachariae W, *et al.* 1999. *Genes Dev.* 13:2039.
3. Carroll C, *et al.* 2002. *Nat. Cell Biol.* 4:880.
4. Passmore L, *et al.* 2003. *EMBO J.* 22:786.

Related Products: Product

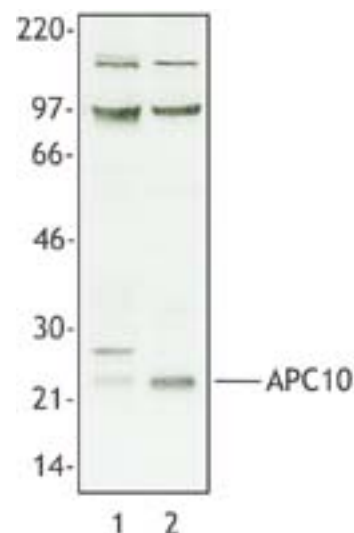
Purified anti-APC1
Purified anti-APC2
Purified anti-APC3
Purified anti-APC4
Purified anti-APC5
Purified anti-APC6
Purified anti-APC7
Purified anti-APC8
Purified anti-APC11
HRP Donkey anti-rabbit IgG (minimal x-reactivity)

Clone

Poly6107
Poly6108
Poly6109
Poly6110
Poly6111
Poly6112
Poly6113
Poly6114
Poly6116
Poly4064

Application

WB
WB
WB, IF
WB
WB
WB
WB
WB
WB
WB, IF
ELISA, IHC, WB



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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