

Purified anti-APC8

- Catalog # / Size:** 611401 / 50 µl (5 Western blots)
 611402 / 200 µl (20 Western blots)
- Clone:** Poly6114
- 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

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.

Application References:

1. TranK, *et al.* 2008. *J Virol.* 82:529. PubMed
2. Gurden MD, *et al.* 2010. *J Cell Sci.* 123:321. PubMed
3. Fehr AR, *et al.* 2012. *PLoS One.* 7:e1002789. PubMed.

Description: APC8 (anaphase-promoting complex subunit 8) is a member of the E3 enzyme family. This protein contains TPR repeats and has a molecular weight of approximately 68 kD. The APC8 protein is located in the nucleus during interphase and the centrosome during metaphase/anaphase. This protein is required for mitotic anaphase transition. The APC8 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 APC8 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. APC8 is phosphorylated by cdk1-cyclinB and PLK-1. The Poly6114 antibody has been shown to be useful for Western blotting of the human and mouse APC8 protein.

Antigen References:

1. Zachariae W, *et al.* 1999. *Genes Dev.* 13:2039.
2. Yamashita Y, *et al.* 1999. *Genes Cells.* 4:445.
3. Wang Q, *et al.* 2003. *Oncogene.* 22:1486.
4. Hall M, *et al.* 2003. *J. Biol. Chem.* 278:16698.

Related Products:Product

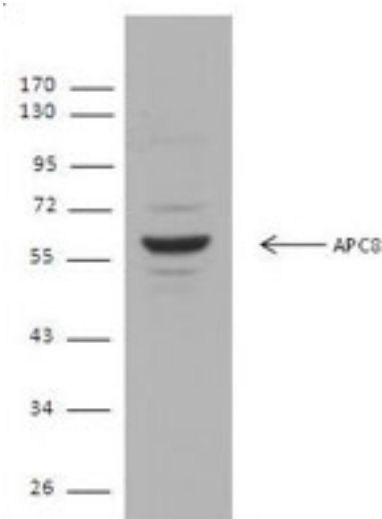
Purified anti-APC1
 Purified anti-APC2
 Purified anti-APC3
 Purified anti-APC4
 Purified anti-APC5
 Purified anti-APC6
 Purified anti-APC7
 Purified anti-APC10
 Purified anti-APC11
 HRP Donkey anti-rabbit IgG (minimal x-reactivity)

Clone

Poly6107
 Poly6108
 Poly6109
 Poly6110
 Poly6111
 Poly6112
 Poly6113
 Poly6115
 Poly6116
 Poly4064

Application

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



HeLa nuclear extracts were resolved by electrophoresis, transferred to nitrocellulose, and probed with anti-APC8 antibody (clone Poly6114). Proteins were visualized using a donkey anti-rabbit-IgG secondary conjugated to HRP and chemiluminescence detection.



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