

Product Data Sheet

Purified anti-APC7

Catalog # / Size: 611301 / 50 µl (5 Western blots)
 611302 / 200 µl (20 Western blots)

Clone: Poly6113

Isotype: Rabbit IgG

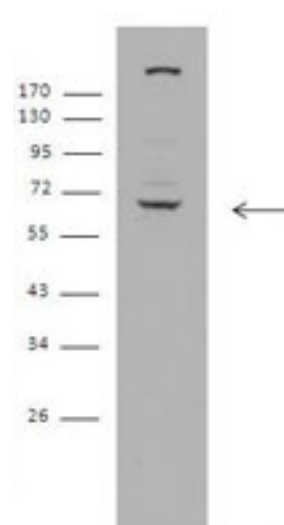
Immunogen: Recombinant (partial), N-terminal

Reactivity: 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.



Hela nuclear extracts were resolved by electrophoresis, transferred to nitrocellulose, and probed with anti-APC7 antibody (clone Poly6113). Proteins were visualized using a donkey anti-rabbit-IgG secondary conjugated to HRP and chemiluminescence detection.

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 Notes: The Poly6113 antibody has been shown to be useful for Western blotting of the human APC7 protein.

Application References: 1. Tran K, *et al.* 2008. *J Virol.* 82:529.PubMed
 2. Elowe S, *et al.* 2010. *J. Cell Sci.* 123:84. PubMed
 3. Tran K, *et al.* 2010. *J. Virol.* 78:4311. PubMed

Description: APC7 (anaphase-promoting complex subunit 7) is a member of the E3 enzyme family. This protein contains TPR repeats and has a molecular weight of approximately 63 kD. The APC7 protein is located in the nucleus during interphase and the centrosome during metaphase/anaphase. This protein probably recruits Cdh1 into the APC complex. The APC7 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 APC7 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.

Antigen References: 1. Yu H, *et al.* 1998. *Science* 279:1219.
 2. Zachariae W, *et al.* 1999. *Genes Dev.* 13:2039.
 3. Golan A, *et al.* 2002. *J. Biol. Chem.* 277:15552.
 4. Vodermaier HC, *et al.* 2003. *Curr. Biol.* 13:1459.

Related Products:

Product	Clone	Application
Purified anti-APC1	Poly6107	WB
Purified anti-APC2	Poly6108	WB
Purified anti-APC3	Poly6109	WB, IF
Purified anti-APC4	Poly6110	WB
Purified anti-APC5	Poly6111	WB
Purified anti-APC6	Poly6112	WB
Purified anti-APC8	Poly6114	WB
Purified anti-APC10	Poly6115	WB
Purified anti-APC11	Poly6116	WB, IF
HRP Donkey anti-rabbit IgG (minimal x-reactivity)	Poly4064	ELISA, IHC, WB



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