

ANAPC1 Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP50974

Product Information

Application	WB, ICC
Primary Accession	Q9H1A4
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	216500

Additional Information

Gene ID	64682
Other Names	Anaphase-promoting complex subunit 1, APC1, Cyclosome subunit 1, Mitotic checkpoint regulator, Testis-specific gene 24 protein, ANAPC1, TSG24
Dilution	WB~~1:1000 ICC~~N/A
Format	0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

Name	ANAPC1
Synonyms	TSG24
Function	Component of the anaphase promoting complex/cyclosome (APC/C), a cell cycle-regulated E3 ubiquitin ligase that controls progression through mitosis and the G1 phase of the cell cycle (PubMed: 18485873). The APC/C complex acts by mediating ubiquitination and subsequent degradation of target proteins: it mainly mediates the formation of 'Lys-11'-linked polyubiquitin chains and, to a lower extent, the formation of 'Lys-48'- and 'Lys-63'-linked polyubiquitin chains (PubMed: 18485873). The APC/C complex catalyzes assembly of branched 'Lys-11'-/'Lys-48'-linked branched ubiquitin chains on target proteins (PubMed: 29033132).

Background

Component of the anaphase promoting complex/cyclosome (APC/C), a cell cycle-regulated E3 ubiquitin ligase that controls progression through mitosis and the G1 phase of the cell cycle. The APC/C complex acts

by mediating ubiquitination and subsequent degradation of target proteins: it mainly mediates the formation of 'Lys-11'-linked polyubiquitin chains and, to a lower extent, the formation of 'Lys-48'- and 'Lys-63'-linked polyubiquitin chains.

References

- Joergensen P.M.,et al.Gene 262:51-59(2001).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Kraft C.,et al.EMBO J. 22:6598-6609(2003).
Jin L.,et al.Cell 133:653-665(2008).
Cantin G.T.,et al.J. Proteome Res. 7:1346-1351(2008).

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