

# ANAPC1

Purified Mouse Monoclonal Antibody  
Catalog # AO2609a

## Product Information

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<b>Application</b>	WB, IHC, ICC, E
<b>Primary Accession</b>	<a href="#">Q9H1A4</a>
<b>Reactivity</b>	Human
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal
<b>Clone Names</b>	7G9B3
<b>Isotype</b>	Mouse IgG1
<b>Calculated MW</b>	216500
<b>Immunogen</b>	Purified recombinant fragment of human ANAPC1 (AA: 12-155) expressed in E. Coli.
<b>Formulation</b>	Purified antibody in PBS with 0.05% sodium azide

## Additional Information

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<b>Gene ID</b>	64682
<b>Other Names</b>	APC1; MCPR; TSG24
<b>Dilution</b>	WB~~ 1/500 - 1/2000 IHC~~1:100~500 ICC~~ 1/100 - 1/500 E~~ 1/10000
<b>Storage</b>	Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
<b>Precautions</b>	ANAPC1 is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	ANAPC1
<b>Synonyms</b>	TSG24
<b>Function</b>	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: <a href="#">18485873</a> ). 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: <a href="#">18485873</a> ). The APC/C complex catalyzes

assembly of branched 'Lys-11'-'Lys-48'-linked branched ubiquitin chains on target proteins (PubMed:[29033132](#)).

## References

1. Drug Alcohol Depend. 2012 Aug 1;124(3):325-32. 2. Braz J Med Biol Res. 2008 Jun;41(6):539-43.

## Images

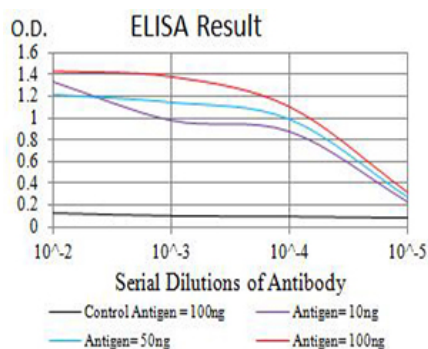


Figure 1: Black line: Control Antigen (100 ng); Purple line: Antigen (10 ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng)

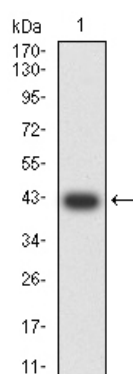


Figure 2: Western blot analysis using ANAPC1 mAb against human ANAPC1 (AA: 12-155) recombinant protein. (Expected MW is 41.9 kDa)

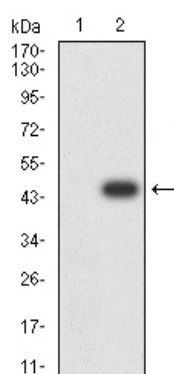


Figure 3: Western blot analysis using ANAPC1 mAb against HEK293 (1) and ANAPC1 (AA: 12-155)-hIgGfc transfected HEK293 (2) cell lysate.

Figure 5: Flow cytometric analysis of Hela cells using ANAPC1 mouse mAb (green) and negative control (red).

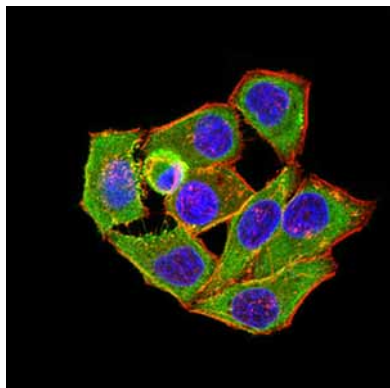
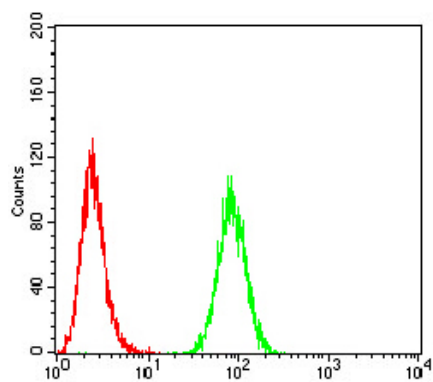


Figure 4: Immunofluorescence analysis of HeLa cells using ANAPC1 mouse mAb (green). Blue: DAPI fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor- 555 phalloidin. Secondary antibody from Fisher (Cat#: 35503)

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.