

ANAPC1
Purified Mouse Monoclonal Antibody
Catalog # AO2609a**Specification**

ANAPC1 - Product Information

Application	WB, IHC, ICC, E
Primary Accession	Q9H1A4
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	Mouse IgG1
Calculated MW	216kDa KDa
Immunogen	

Purified recombinant fragment of human ANAPC1 (AA: 12-155) expressed in E. Coli.

Formulation

Purified antibody in PBS with 0.05% sodium azide

ANAPC1 - Additional Information

Gene ID 64682

Other Names

APC1; MCPR; TSG24

Dilution

WB~~ 1/500 - 1/2000

IHC~~ 1:100~500

ICC~~ 1/100 - 1/500

E~~ 1/10000

Storage

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.

Precautions

ANAPC1 is for research use only and not for use in diagnostic or therapeutic procedures.

ANAPC1 - 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).

ANAPC1 - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

ANAPC1 - Images

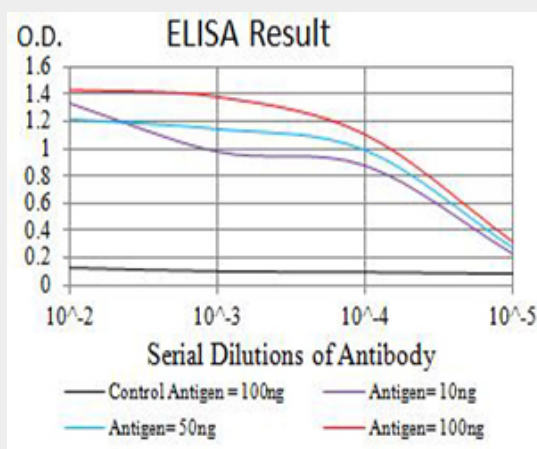


Figure 1: Black line: Control Antigen (100 ng); Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng)

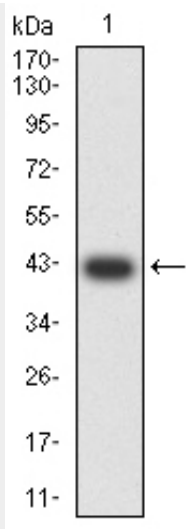


Figure 2: Western blot analysis using ANAPC1 mAb against human ANAPC1 (AA: 12-155) recombinant protein. (Expected MW is 41.9 kDa)

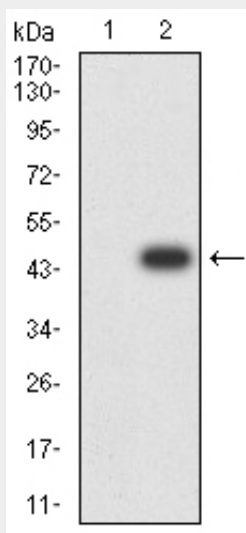


Figure 3: Western blot analysis using ANAPC1 mAb against HEK293 (1) and ANAPC1 (AA: 12-155)-hlgGFc transfected HEK293 (2) cell lysate.

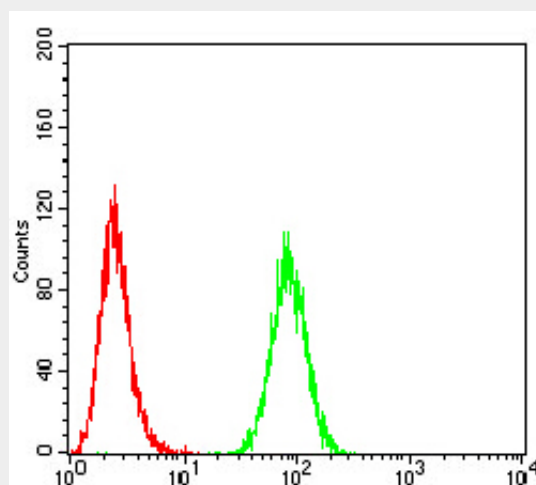


Figure 5: Flow cytometric analysis of HeLa cells using ANAPC1 mouse mAb (green) and negative

control (red).

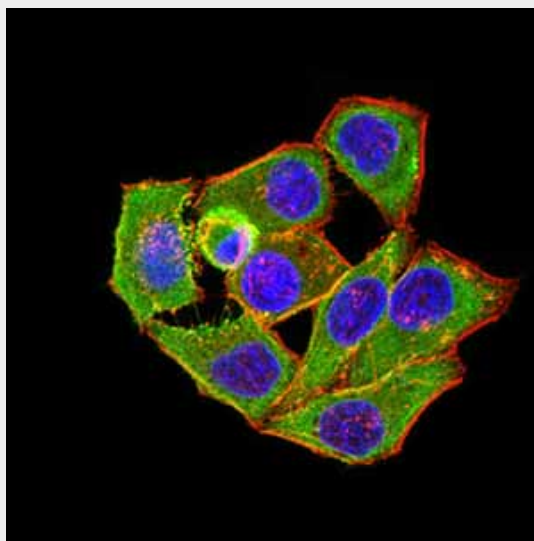


Figure 4: Immunofluorescence analysis of HeLa cells using ANAPC1 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor- 555 phalloidin. Secondary antibody from Fisher (Cat#: 35503)

ANAPC1 - References

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