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Mouse Monoclonal Antibody to ANAPC11

Purified Mouse Monoclonal Antibody
Catalog # AO2458a

Specification

Mouse Monoclonal Antibody to ANAPC11 - Product Information

Application	**WB, FC, E**
Primary Accession	Q9NYG5
Reactivity	**Human**
Host	**Mouse**
Clonality	**Monoclonal**
Isotype	**Mouse IgG1**
Calculated MW	**9.8kDa KDa**

Description
ANAPC11 (Anaphase Promoting Complex Subunit 11) is a Protein Coding gene. Among its related pathways are Immune System and Cellular Senescence. GO annotations related to this gene include ubiquitin-protein transferase activity and ubiquitin-ubiquitin ligase activity.;

Immunogen
Purified recombinant fragment of human ANAPC11 (AA: 1-196) expressed in E. Coli.

Formulation
Purified antibody in PBS with 0.05% sodium azide

Application Note
ELISA: 1/10000; WB: 1/500 - 1/2000; FCM: 1/200 - 1/400

Mouse Monoclonal Antibody to ANAPC11 - Additional Information

Gene ID 51529

Other Names
APC11; Apc11p; HSPC214

Dilution
WB~~1:1000
FC~~1:10~50
E~~N/A

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
Mouse Monoclonal Antibody to ANAPC11 is for research use only and not for use in diagnostic or therapeutic procedures.

Mouse Monoclonal Antibody to ANAPC11 - Protein Information

Name ANAPC11

Function
Together with the cullin protein ANAPC2, constitutes the catalytic 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:11739784, 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:11739784, PubMed:18485873). The APC/C complex catalyzes assembly of branched 'Lys-11'-/'Lys-48'-linked branched ubiquitin chains on target proteins (PubMed:29033132). May recruit the E2 ubiquitin-conjugating enzymes to the complex (PubMed:11739784, PubMed:18485873).

Cellular Location
Cytoplasm. Nucleus

Tissue Location
Expressed at high levels in skeletal muscle and heart; in moderate levels in brain, kidney, and liver; and at low levels in colon, thymus, spleen, small intestine, placenta, lung and peripheral blood leukocyte.

Mouse Monoclonal Antibody to ANAPC11 - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Mouse Monoclonal Antibody to ANAPC11 - Images

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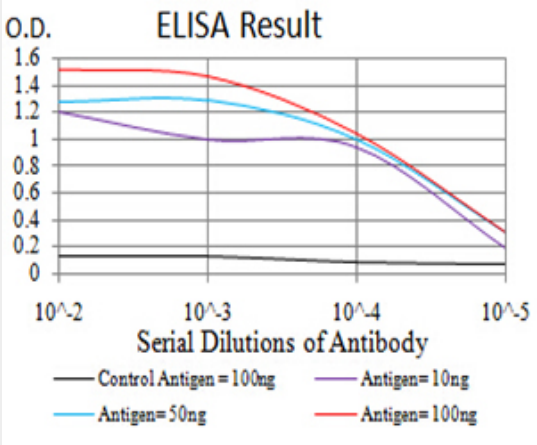
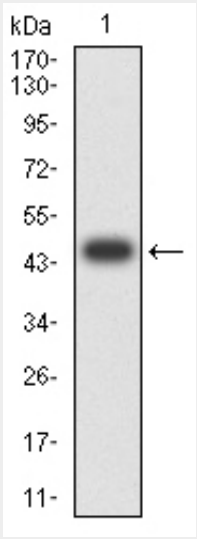
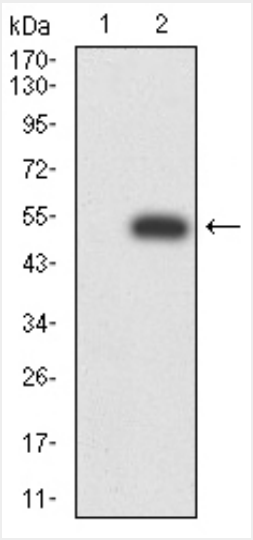


Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)



Western blot analysis using ANAPC11 mAb against human ANAPC11 (AA: 1-196) recombinant protein. (Expected MW is 46.6 kDa)



Western blot analysis using ANAPC11 mAb against HEK293 (1) and ANAPC11 (AA: 1-196)-hIgGFc transfected HEK293 (2) cell lysate.

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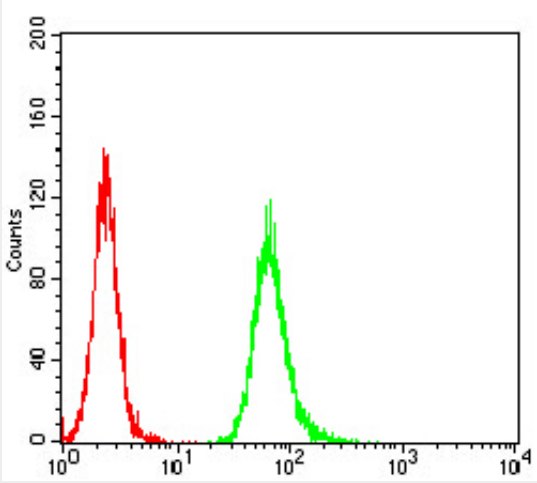

Flow cytometric analysis of Hela cells using ANAPC11 mouse mAb (green) and negative control (red).

Mouse Monoclonal Antibody to ANAPC11 - References

1.Genet Mol Res. 2012 Aug 24;11(3):2814-22. ; 2.Free Radic Biol Med. 2004 Aug 15;37(4):521-30.;