

Mouse Monoclonal Antibody to ANAPC11

Purified Mouse Monoclonal Antibody Catalog # AO2459a

Product Information

Application Primary Accession Reactivity Host Clonality Clone Names Isotype Calculated MW Description	WB, E Q9NYG5 Human Mouse Monoclonal 6F1G9 Mouse IgG1 9841 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;

Additional Information

Gene ID	51529
Other Names	APC11; Apc11p; HSPC214
Dilution	WB~~1:1000 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.

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: <u>11739784</u> , PubMed: <u>18485873</u>). 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: <u>11739784</u> , PubMed: <u>18485873</u>). The APC/C complex catalyzes assembly of branched 'Lys-11'-/'Lys-48'-linked branched ubiquitin chains on target proteins (PubMed: <u>29033132</u>). May recruit the E2 ubiquitin-conjugating enzymes to the complex (PubMed: <u>11739784</u> , PubMed: <u>18485873</u>).
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.

References

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

Images





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.



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