
Product Name: KD-Validated ANAPC2 Mouse Monoclonal Antibody**Catalog #: KVA01236**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Mouse
Application	WB,FCM
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Mouse mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:500-1:2,500; FC 1:200-1:2,000
Molecular Weight	Calculated MW: 93.8kDa

Antigen Information

Gene Name	ANAPC2
Alternative Names	ANAPC2; Anaphase Promoting Complex Subunit 2; APC2; KIAA1406; Anaphase-Promoting Complex Subunit 2; Cyclosome Subunit 2
Gene ID	29882.0
SwissProt ID	Q9UJX6
Immunogen	Recombinant protein of human ANAPC2

Background

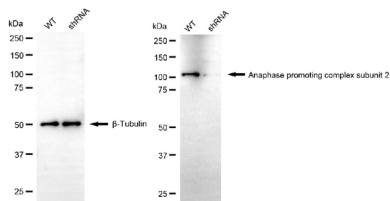
A large protein complex, termed the anaphase-promoting complex (APC), or the cyclosome, promotes metaphase-anaphase transition by ubiquitinating its specific substrates such as mitotic cyclins and anaphase inhibitor, which are subsequently degraded by the 26S proteasome. Biochemical studies have shown that the vertebrate APC contains eight subunits. The

composition of the APC is highly conserved in organisms from yeast to humans. The product of this gene is a component of the complex and shares sequence similarity with a recently identified family of proteins called cullins, which may also be involved in ubiquitin-mediated degradation. [provided by RefSeq, Jul 2008]

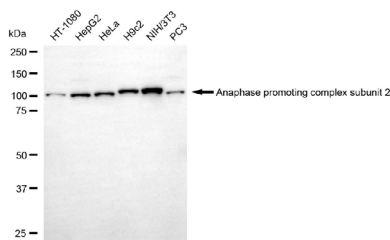
Research Area

Cell Biology

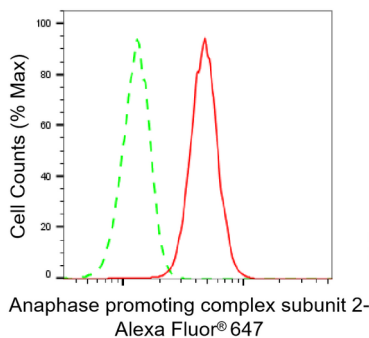
Image Data



Western blotting analysis using anaphase promoting complex subunit 2 antibody (KVA01236). Anaphase promoting complex subunit 2 expression in wild type (WT) and anaphase promoting complex subunit 2 (ANAPC2) shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. β-Tubulin serves as a loading control. The blot was incubated with anaphase promoting complex subunit 2 antibody (KVA01236, 1:5,000) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



Western blotting analysis using anaphase promoting complex subunit 2 antibody (KVA01236). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anaphase promoting complex subunit 2 antibody (KVA01236, 1:2,500) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



Flow cytometric analysis of Anaphase promoting complex subunit 2 expression in C2C12 cells using Anaphase promoting complex subunit 2 antibody (KVA01236, 1:2,000). Green, isotype control; red, Anaphase promoting complex subunit 2.