

# **Product datasheet for CF503406**

### OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

## Apc2 (ANAPC2) Mouse Monoclonal Antibody [Clone ID: OTI1B11]

#### **Product data:**

**Product Type:** Primary Antibodies

Clone Name: OTI1B11
Applications: IF, WB

Recommended Dilution: WB 1:500~2000, IF 1:100

Reactivity: Human, Mouse, Rat

Host: Mouse Isotype: IgG1

Clonality: Monoclonal

Immunogen: Full length human recombinant protein of human ANAPC2(NP\_037498) produced in HEK293T

cell.

Formulation: Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)

**Reconstitution Method:** For reconstitution, we recommend adding 100uL distilled water to a final antibody

concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)

**Purification:** Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography

(protein A/G)

Conjugation: Unconjugated

**Storage:** Store at -20°C as received.

**Stability:** Stable for 12 months from date of receipt.

Predicted Protein Size: 93.6 kDa

**Gene Name:** anaphase promoting complex subunit 2

Database Link: NP 037498

Entrez Gene 99152 MouseEntrez Gene 296558 RatEntrez Gene 29882 Human

Q9UJX6





#### 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]

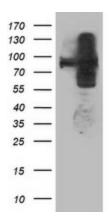
Synonyms: APC2

**Protein Families:** Druggable Genome

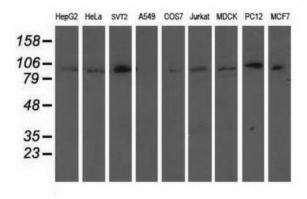
**Protein Pathways:** Cell cycle, Oocyte meiosis, Progesterone-mediated oocyte maturation, Ubiquitin mediated

proteolysis

### **Product images:**

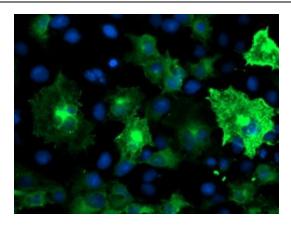


HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY ANAPC2 ([RC207539], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-ANAPC2. Positive lysates [LY402247] (100ug) and [LC402247] (20ug) can be purchased separately from OriGene.



Western blot analysis of extracts (35ug) from 9 different cell lines by using anti-ANAPC2 monoclonal antibody (HepG2: human; HeLa: human; SVT2: mouse; A549: human; COS7: monkey; Jurkat: human; MDCK: canine; PC12: rat; MCF7: human).





Anti-ANAPC2 mouse monoclonal antibody ([TA503406]) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY ANAPC2 ([RC207539]).