

Recombinant Human ANAPC4 cell lysate

Cat. No. ANAPC4-73HCL Lot. No. (See product label)

SPECIFICATION

Species

Human

Description

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 exact function of this gene product is not known.

Size

100 ul

Storage Buffer

1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)

Applications

Western Blot;

GENE INFORMATION

Gene Name

ANAPC4 anaphase promoting complex subunit 4 [Homo sapiens]

Official Symbol

ANAPC4

Synonyms

ANAPC4; anaphase promoting complex subunit 4; anaphase-promoting complex subunit 4; APC4; cyclosome subunit 4;

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Gene ID	29945
mRNA Refseq	NM_013367
Protein Refseq	NP_037499
MIM	606947
UniProt ID	Q9UJX5
Chromosome Location	4p15.31
Pathway	APC/C complex, organism-specific biosystem; APC/C complex, conserved biosystem; APC/C-mediated degradation of cell cycle proteins, organism-specific biosystem; APC/C:Cdc20 mediated degradation of Cyclin B, organism-specific biosystem; APC/C:Cdc20 mediated degradation of Securin, organism-specific biosystem; APC/C:Cdc20 mediated degradation of mitotic proteins, organism-specific biosystem; APC/C:Cdh1 mediated degradation of Cdc20 and other APC/C:Cdh1 targeted proteins in late mitosis/early G1, organism-specific biosystem;
Function	protein phosphatase binding; ubiquitin-protein ligase activity;

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