ANAPC1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	ANAPC1, Polyclonal Antibody
Full Product Name	ANAPC1 (phospho-Ser688) Antibody
Product Gene Name	anti-ANAPC1 antibody
Product Synonym Names	TSG24; Anaphase-promoting complex subunit 1; APC1; Cyclosome subunit 1; Mitotic checkpoint regulator; Testis-specific gene 24 protein
Clonality	Polyclonal
Isotype	Rabbit IgG
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purity/Purification	The antibody was purified by immunogen affinity chromatography.
Specificity	Recognizes endogenous levels of ANAPC1 (phospho-Ser688) protein.
Preparation and Storage	Store at 4 degree C short term. Aliquot and store at -20 degree C long term. Avoid freeze/thaw cycles.
Molecular Weight	216,500 Da
Chromosome Location	Chromosome: 2; NC_000002.11 (112525214..112641741, complement). Location: 2q12.1
OMIM	608473
3D Structure	ModBase 3D Structure for Q9H1A4
Immunogen	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human ANAPC1.
Product Categories/Family for anti-ANAPC1 antibody	Primary Antibody
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-ANAPC1 antibody	Western Blot (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)
Application Notes for anti-ANAPC1 antibody	WB: 1:500-1:1000 IHC: 1:50-1:100 IF: 1:100-1:300
Related Product Information for anti-ANAPC1 antibody	MBS8585641 is an antibody targeting ANAPC1. Also known as ANAPC1 (phospho-Ser688) Antibody. Reactive in Human, Mouse. Host: Rabbit.
Other Notes	Small volumes of anti-ANAPC1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ANAPC1. It may not necessarily be applicable to this product.

NCBI GI #	12056971

NCBI GeneID	64682
NCBI Accession #	NP_073153.1
UniProt Primary Accession #	Q9H1A4
UniProt Secondary Accession #	Q2M3H8; Q9BSE6; Q9H8D0
UniProt Related Accession #	Q9H1A4
GenBank Nucleotide #	NM_022662.3
NCBI Official Full Name	anaphase-promoting complex subunit 1
NCBI Official Synonym Full Names	anaphase promoting complex subunit 1
NCBI Official Symbol	ANAPC1
NCBI Official Synonym Symbols	APC1; MCPR; TSG24
UniProt Protein Name	Anaphase-promoting complex subunit 1
UniProt Synonym Protein Names	Cyclosome subunit 1; Mitotic checkpoint regulator; Testis-specific gene 24 protein
UniProt Gene Name	ANAPC1
UniProt Synonym Gene Names	TSG24; APC1
UniProt Entry Name	APC1_HUMAN
NCBI Protein Information	anaphase-promoting complex subunit 1; cyclosome subunit 1; mitotic checkpoint regulator; testis-specific gene 24 protein; anaphase-promoting complex 1 (meiotic checkpoint regulator)
NCBI Summary for ANAPC1	This gene encodes a subunit of the anaphase-promoting complex. This complex is an E3 ubiquitin ligase that regulates progression through the metaphase to anaphase portion of the cell cycle by ubiquitinating proteins which targets them for degradation. [provided by RefSeq, Dec 2011]
UniProt Comments for ANAPC1	APC1: 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. 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. Belongs to the APC1 family. Protein type: Ubiquitin conjugating system; Cell cycle regulation Chromosomal Location of Human Ortholog: 2q12.1 Cellular Component: nucleoplasm; anaphase-promoting complex; cytosol Biological Process: positive regulation of ubiquitin-protein ligase activity during mitotic cell cycle; mitosis; negative regulation of ubiquitin-protein ligase activity during mitotic cell cycle; regulation of ubiquitin-protein ligase activity during mitotic cell cycle; cell division; anaphase-promoting complex-dependent proteasomal ubiquitin-dependent protein catabolic process; mitotic cell cycle spindle assembly checkpoint; mitotic cell cycle
Research Articles on ANAPC1	**1.** EYA1 is efficiently degraded during mitotic exit in a ANAPC1-dependent manner and these two proteins physically interact.
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