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Product datasheet for TA319499

Apc1 (ANAPC1) Rabbit Polyclonal Antibody

Product data:

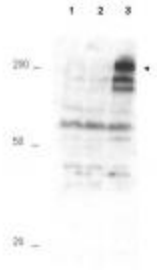
Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	ELISA: 1:10,000 - 1:120,000, WB: 1:200 - 1:2,000, IP: 1:100
Reactivity:	Human, Mouse, Dog, Rat, Bovine
Modifications:	Phospho-specific
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	This affinity purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to amino acids 351-359 of Human Apc1 protein.
Formulation:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	anaphase promoting complex subunit 1
Database Link:	NP_073153 Entrez Gene 17222 MouseEntrez Gene 311412 RatEntrez Gene 475750 DogEntrez Gene 64682 Human Q9H1A4
Synonyms:	APC1; MCPR; TSG24
Note:	APC1 (also known as Anaphase promoting complex subunit 1, Cyclosome subunit 1, Protein Tsg24, Mitotic checkpoint regulator and ANAPC1) is 1 of at least 11 subunits of the anaphase-promoting complex (APC), which functions at the metaphase-to-anaphase transition of the cell cycle and is regulated by spindle checkpoint proteins. The APC is an E3 ubiquitin ligase that targets cell cycle regulatory proteins for degradation by the proteasome, thereby allowing progression through the cell cycle.

View online »

Protein Families: Druggable Genome, Stem cell - Pluripotency

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

Product images:



WB using Anti-APC1 pS355 antibody shows detection of a band ~215 kDa corresponding to phosphorylated human APC1 (arrowhead). Lane 1:lysate from asynchronous cells. Lane 2: lysate from cells treated with thymidine to synchronize cells at the G1/S boundary. Lane 3:lysate from cells treated with nocodazole to synchronize cells at the M phase. Phosphorylated APC1 is mostly present only in cell preparations arrested at cell division. Primary antibody was used at 1:500.