

Product datasheet for TA319500

Apc1 (ANAPC1) Rabbit Polyclonal Antibody

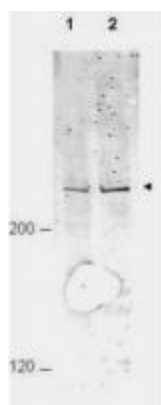
Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	ELISA: 1:2,000 - 1:10,000, WB: 1:200 - 1:1,000, IHC: 5.0 ug/ml
Reactivity:	Human
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 373-382 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 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.
Protein Families:	Druggable Genome, Stem cell - Pluripotency

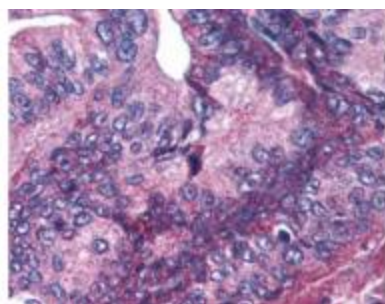

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Protein Pathways: Cell cycle, Oocyte meiosis, Progesterone-mediated oocyte maturation, Ubiquitin mediated proteolysis

Product images:



WB using Anti-APC1 pS377 antibody shows detection of a band ~215 kDa corresponding to phosphorylated human APC1 (arrowhead). Lane 1 shows lysate from asynchronous cells. Lane 2 shows lysate from cells treated with nocodazole. While some phosphorylated APC1 is present in untreated cell, the amount of phosphorylated protein is increased in cell preparations arrested in mitosis. Primary antibody diluted to 1:1,000. Sea 1:10,000 dilution of IRDye800 conjugated Gt-a-Rabbit IgG [H&L].



Anti-APC1 pS377 antibody was used at 5.0 ug/ml to detect signal in a variety of tissues including multi-human, multi-brain and multi-cancer slides. This image shows moderate positive cytoplasmic and occasional nuclear staining of pancreatic carcinoma cells at 60X. Tissue was formalin-fixed and paraffin embedded. The image shows localization of the antibody as the precipitated red signal, with a hematoxylin purple nuclear counterstain.