



Rabbit Anti-phospho-APC1 (Ser377) antibody

SL5174R

Product Name:	phospho-APC1 (Ser377)
Chinese Name:	磷酸化细胞周期末期促进复合蛋白APC1抗体
Alias:	Apc1 (phospho S377); p-Apc1 (phospho S377); phospho-ANAPC1(Ser377); ANAPC 1; ANAPC1; Anaphase promoting complex subunit 1; anaphase-promoting complex 1 (meiotic checkpoint regulator); Anaphase-promoting complex subunit 1; Apc 1; APC1; APC1_HUMAN; Cyclosome subunit 1; MCPR; Meiotic checkpoint regulator; Mitotic checkpoint regulator; Protein Tsg 24; Protein Tsg24; Testis-specific gene 24 protein; TSG 24; TSG24.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Horse,Rabbit,Sheep,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	212kDa
Cellular localization:	The nucleuscytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated Synthesised phosphopeptide derived from human ANAPC1 around the phosphorylation site of Ser377:NQ(p-S)PK
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed

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].

Function:

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.

Subunit:

The APC/C is composed of at least 12 subunits.

Post-translational modifications:

Phosphorylated. Phosphorylation on Ser-355 occurs specifically during mitosis.

Similarity:

Belongs to the APC1 family.
Contains 4 PC repeats.

Product Detail:

SWISS:

Q9H1A4

Gene ID:

64682

Database links:

[Entrez Gene: 64682](#) Human

[Entrez Gene: 535565](#) Cow

[Entrez Gene: 475750](#) Dog

[Entrez Gene: 17222](#) Mouse

[Omim: 608473](#) Human

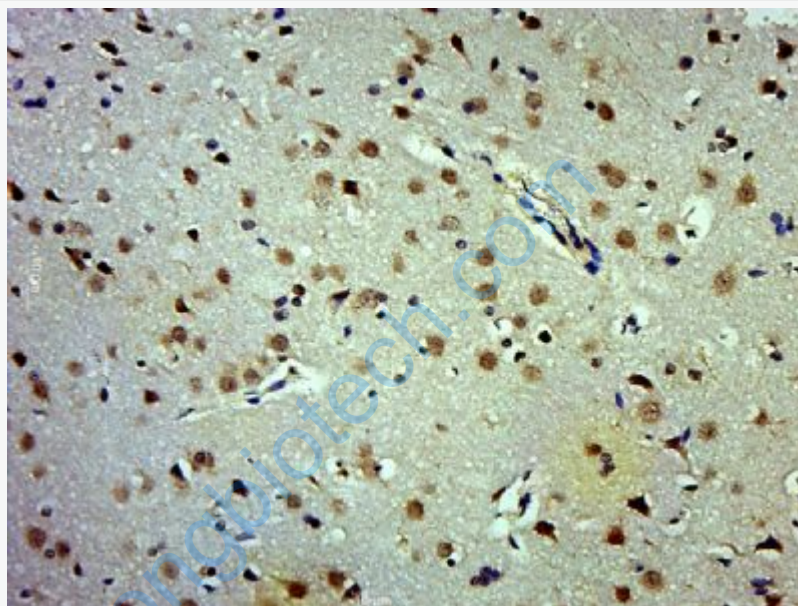
[SwissProt: E1BAB6](#) Cow

[SwissProt: E2RLM2](#) Dog

[SwissProt: Q9H1A4](#) Human

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.



Picture:

Paraformaldehyde-fixed, paraffin embedded (Rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (phospho-APC1 (Ser377)) Polyclonal Antibody, Unconjugated (SL5174R) at 1:500 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.