Best Tools for immunology Research

APC1 (phospho Ser688) Polyclonal Antibody

Catalog No :	YP1152
Reactivity :	Human;Mouse;Rat
Applications :	WB;IHC;IF;ELISA
Target :	APC1
Fields :	>>Cell cycle;>>Oocyte meiosis;>>Ubiquitin mediated proteolysis;>>Progesterone-mediated oocyte maturation;>>Human T-cell leukemia virus 1 infection
Gene Name :	ANAPC1
Protein Name :	Anaphase-promoting complex subunit 1
Human Gene Id :	64682
Human Swiss Prot No :	Q9H1A4
Mouse Gene Id :	17222
Mouse Swiss Prot No :	P53995
Immunogen :	The antiserum was produced against synthesized peptide derived from human APC1 around the phosphorylation site of Ser688. AA range:654-703
Specificity :	Phospho-APC1 (S688) Polyclonal Antibody detects endogenous levels of APC1 protein only when phosphorylated at S688.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500-2000 IHC 1:100 - 1:300. IF 1:200 - 1:1000. ELISA: 1:10000. Not yet tested in other applications.
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.

Concentration : 1 mg/ml

Storage Stability : -15°C to -25°C/1 year(Do not lower than -25°C)

Molecularweight : 217kD

Cell Pathway : Cell_Cycle_G1S;Cell_Cycle_G2M_DNA;Oocyte meiosis;Ubiquitin mediated proteolysis;Progesterone-mediated oocyte maturation;

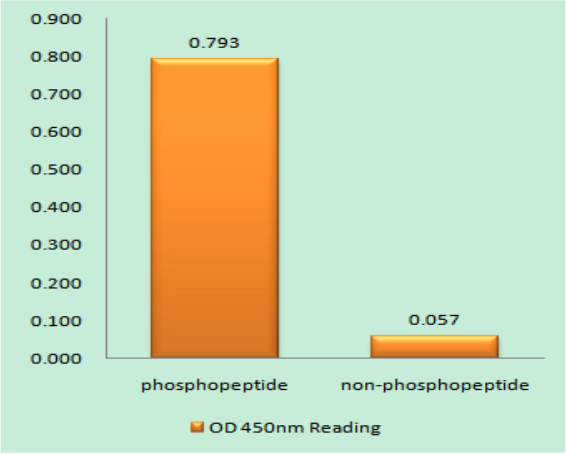
Background : This gene encodes a subunit of the anaphase-promoting complex. This complex is an E3 ubiquitin ligase that regulates progression through the metaphase to anaphase portion of the cell cycle by ubiquitinating proteins which targets them for degradation. [provided by RefSeq, Dec 2011],

Function : 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.,pathway:Protein modification; protein ubiquitination.,PTM:Phosphorylated. Phosphorylation on Ser-355 occurs specifically during mitosis.,similarity:Belongs to the APC1 family.,similarity:Contains 4 PC repeats.,subunit:The APC/C is composed of at least 11 subunits.,

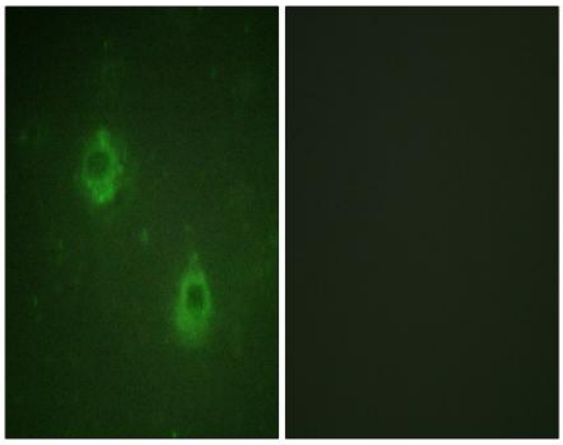
Subcellular Location : nucleoplasm,anaphase-promoting complex,cytosol,

Expression : Colon,Epithelium,Ovary,Placenta,

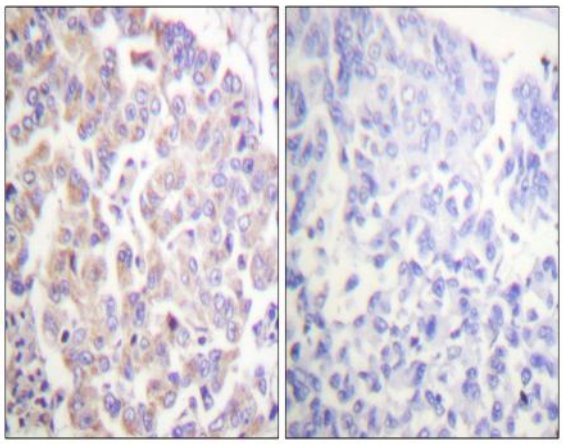
Products Images



Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using APC1 (Phospho-Ser688) Antibody



Immunofluorescence analysis of COS7 cells, using APC1 (Phospho-Ser688) Antibody. The picture on the right is blocked with the phospho peptide.



Immunohistochemistry analysis of paraffin-embedded human breast carcinoma, using APC1 (Phospho-Ser688) Antibody. The picture on the right is blocked with the phospho peptide.