



APC1 (phospho Ser688) Polyclonal Antibody

Catalog No	YP-Ab-16638
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB;IHC;IF;ELISA
Gene Name	ANAPC1
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
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/10000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	TSG 24;Testis-specific gene 24 protein;Mitotic checkpoint regulator;Apc 1; Anaphase-promoting complex subunit 1;APC1;ANAPC1;TSG24;Cyclosome subunit 1
Observed Band	
Calculated Molecular Weight	
Cell Pathway	nucleoplasm,anaphase-promoting complex,cytosol,
Tissue Specificity	Colon,Epithelium,Ovary,Placenta,
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.,



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],

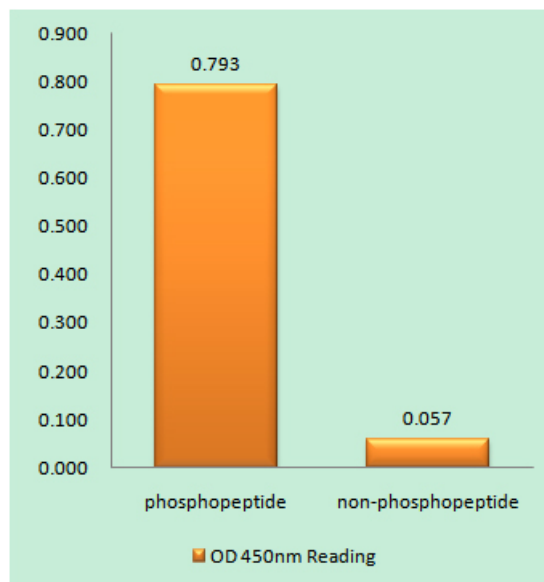
matters needing attention

Avoid repeated freezing and thawing!

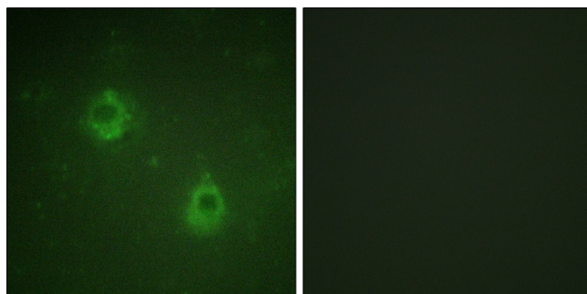
Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

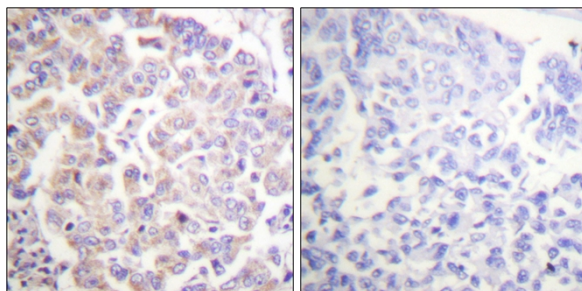
Products Images



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 phosphopeptide.



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