

Product Datasheet

APC1 phospho S377 Antibody (orb345507)

Catalog Number	orb345507
Description	APC1 (phospho-S377) antibody
Species/Host	Rabbit
Reactivity	Human
Conjugation	Unconjugated
Tested Applications	ELISA, IHC, WB
Immunogen	This affinity purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to an internal region surrounding pS377 of Human Apc1 protein.
Preservatives	0.01% (w/v) Sodium Azide
Form/Appearance	Liquid (sterile filtered)
Concentration	0.21 mg/mL
Storage	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Note	For research use only
Application notes	This affinity purified antibody has been tested for use in ELISA, immunohistochemistry and western blot. Specific conditions for reactivity should be optimized by the end user. Expect a band ~ 215 kDa in size corresponding to APC1 by western blotting in the appropriate cell lysate or extract.
Isotype	IgG

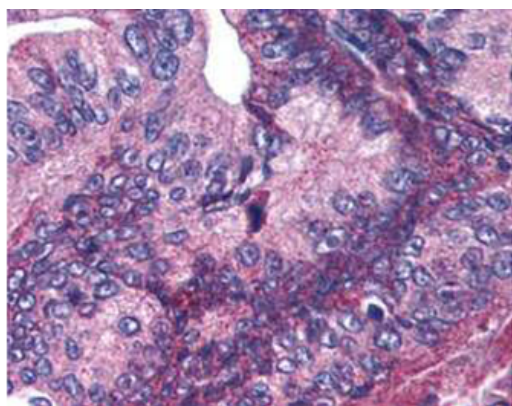
Biorbyt Ltd.

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Clonality	Polyclonal
Antibody Type	Primary Antibody
Purity	This product is an affinity purified antibody produced by immunoaffinity chromatography using phospho peptide coupled to agarose beads followed by solid phase adsorption(s) against non-phospho peptide and non-specific peptide to remove any unwanted reactivities. This antibody is specific for phosphorylated human APC1 protein at the pS377 residue. A BLAST analysis was used to suggest reactivity with this protein from human, dog, rat, and bovine based on 100% homology for the immunogen sequence. Cross reactivity with APC1 protein from mouse is expected, as this sequence show 90% homologous between human and mouse. Cross reactivity with APC1 homologues from other sources has not been determined. Minimal reactivity is expected with the non-phosphorylated form of the protein.
Uniprot ID	Q9H1A4
NCBI	12056971
Dilution Range	ELISA: 1:2,000 - 1:10,000, IHC: 5.0 µg/ml, WB: 1:200 - 1:1,000
Expiration Date	12 months from date of receipt.



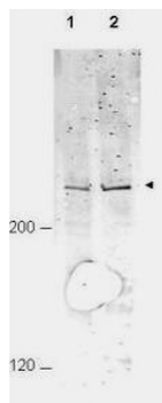
Biorbyt's affinity purified anti-APC1 pS377 antibody was used at 5.0 µg/ml to detect signal in a variety of tissues including multi-human, multi-brain and multi-cancer slides. This image shows moderate positive cytoplasmic and occasional nuclear staining of pancreatic carcinoma cells at 60X. Tissue was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

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Western blot using Biorbyt's Affinity Purified 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. Each lane contains approximately 30 ug of HeLa whole cell lysates, separated by 4-8% SDS-PAGE followed by transfer to nitrocellulose. After blocking the membrane was probed with the primary antibody diluted to 1:1000 overnight at 4°C followed by washes and reaction with a 1:10000 dilution of IRDye800 conjugated Gt-a-Rabbit IgG [H&L] MX for 45 min at room temperature.

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