Product Specification Sheet

Product: Affinity Purified Anti-Human APC10 (Rabbit)

Code: 600-401-351 **Lot #:** 13434

Size: 100 μg

Physical State: Liquid (sterile filtered)

Antibody Concentration: 0.3 mg/ml (by UV absorbance at 280 nm)

Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2

Stabilizer: None

Preservative: 0.01% (w/v) Sodium Azide

Storage Conditions: Store vial at -20° C prior to opening. Dilute only prior to immediate use. For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Expiration date is one (1) year from date of opening.

Application Note(s): This affinity purified antibody has been tested for use in ELISA against the immunizing peptide. Reactivity in other immunoassays is unknown.

Recommended Dilutions: This product has been assayed by ELISA against 0.1 ug of the immunizing peptide. A 1:15,000 dilution of the antibody was noted against the peptide.

Purity and Specificity: This is an affinity purified antibody produced by immunoaffinity chromatography using the immunizing peptide after immobilization to a solid phase.

Immunogen: This affinity purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to aa 10-20 of Human APC10 (Anaphase-promoting complex or cyclosome). APC is a ubiquitin ligase which specifically targets mitotic regulatory factors such as Pds1/Cut2 and cyclin B. It was found that APC10/Doc1 is localized in centrosomes and mitotic spindles throughout mitosis, while it is also localized in kinetochores from prophase to anaphase and in mid body in telophase and cytokinesis. These results strongly support the notion that human APC10/Doc1 may be one of the APC core subunits rather than the transiently associated regulatory factor.

Peptide sequence: G-A-D-P-K-Q-L-E-R-T-G

Note: This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information.