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Datasheet for ABIN391455
anti-Cyclin A antibody (C-Term)

2 Images

Overview

| | |
|----------------------|--|
| Quantity: | 400 µL |
| Target: | Cyclin A (CCNA2) |
| Binding Specificity: | AA 358-389, C-Term |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Application: | Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)) |

Product Details

| | |
|---------------|--|
| Immunogen: | This CCNA2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 358-389 amino acids from the C-terminal region of human CCNA2. |
| Clone: | RB14702 |
| Isotype: | Ig Fraction |
| Purification: | This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS. |

Target Details

| | |
|-------------------|--|
| Target: | Cyclin A (CCNA2) |
| Alternative Name: | CCNA2 (CCNA2 Products) |
| Background: | CCNA2 belongs to the highly conserved cyclin family, whose members are characterized by a dramatic periodicity in protein abundance through the cell cycle. Cyclins function as regulators |

Target Details

of CDK kinases. Different cyclins exhibit distinct expression and degradation patterns which contribute to the temporal coordination of each mitotic event. In contrast to cyclin A1, which is present only in germ cells, this cyclin is expressed in all tissues tested. This cyclin binds and activates CDC2 or CDK2 kinases, and thus promotes both cell cycle G1/S and G2/M transitions.

Molecular Weight: 48551

Gene ID: 890

NCBI Accession: [NP_001228](#)

UniProt: [P20248](#)

Pathways: [PI3K-Akt Signaling](#), [Cell Division Cycle](#), [AMPK Signaling](#), [Mitotic G1-G1/S Phases](#), [DNA Replication](#), [M Phase](#), [Synthesis of DNA](#)

Application Details

Application Notes: WB: 1:1000. IHC-P: 1:10~50

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

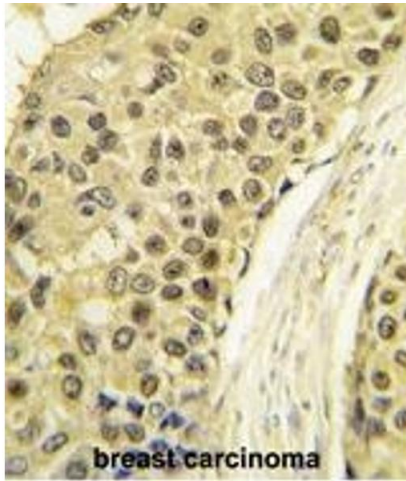
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C, -20 °C

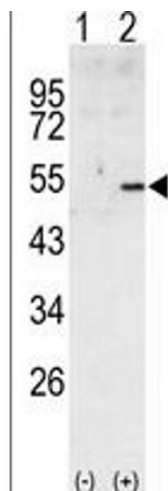
Storage Comment: Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.

Expiry Date: 6 months



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Formalin-fixed and paraffin-embedded human breast carcinoma tissue reacted with CCNA2 antibody (C-term) (ABIN391455 and ABIN2841432), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry, clinical relevance has not been evaluated.



Western Blotting

Image 2. Western blot analysis of CCNA2 (arrow) using rabbit polyclonal CCNA2 Antibody (C-term) (ABIN391455 and ABIN2841432). 293 cell lysates (2 µg/lane) either nontransfected (Lane 1) or transiently transfected with the CCNA2 gene (Lane 2) (Origene Technologies).