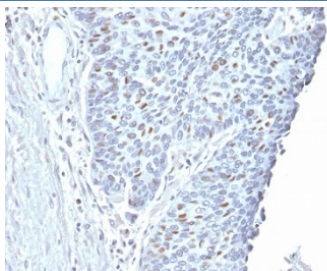


## Cyclin A2 Antibody / CCNA2 [clone CCNA2/2333] (V3780)

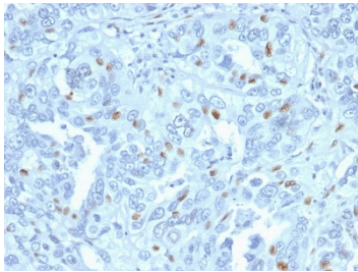
Catalog No.	Formulation	Size
V3780-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V3780-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V3780SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

**Bulk quote request**

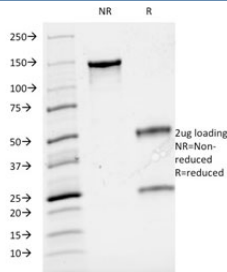
<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Purified
<b>Clonality</b>	Monoclonal (mouse origin)
<b>Isotype</b>	Mouse IgG2a, kappa
<b>Clone Name</b>	CCNA2/2333
<b>Purity</b>	Protein G affinity chromatography
<b>UniProt</b>	P20248
<b>Gene ID</b>	890
<b>Localization</b>	Nuclear, cytoplasmic
<b>Applications</b>	Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT
<b>Limitations</b>	This Cyclin A2 antibody is available for research use only.



IHC testing of FFPE human endometrial carcinoma with Cyclin A2 antibody. Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.



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SDS-PAGE analysis of purified, BSA-free Cyclin A2 antibody (clone CCNA2/2333) as confirmation of integrity and purity.

## Description

This antibody recognizes a protein of 50-55 kDa, which is identified as Cyclin A. Cyclins are regulatory subunits of the cyclin-dependent kinases (cdk's) and they control transition at different specific phases of the cell cycle. The temporal expression of cyclins is tightly regulated and subsequently plays a critical role in controlling the enzymatic activity of cdk's. These cyclin/cdk complexes are essential for passage through specific stages in the cell cycle. In mammalian somatic cells, Cyclin A is required for S-phase and passage through G2-phase. The D and E type cyclins regulate the passage of G1, while Cyclin B is a critical regulator of mitosis. Mutation or disruption of normal Cyclin A expression causes cells to arrest in G2-phase.

## Application Notes

The concentration stated for each application is a general starting point. Variations in protocols, secondaries and substrates may require the Cyclin A2 antibody to be titrated up or down for optimal performance.

## Immunogen

Full length protein was used as the immunogen for this CCNA2 antibody.

## Storage

Store the Cyclin A2 antibody at 2-8°C (with azide) or aliquot and store at -20°C or colder (without azide).

## References (1)