

Product Datasheet

Cyclin A2 Antibody (E67)

NBP2-34311-0.1mg

Unit Size: 0.1 mg

Store at 4C.

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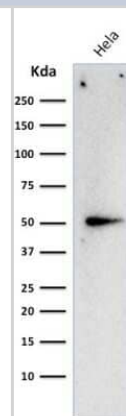
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Cyclin A2 Antibody (E67)

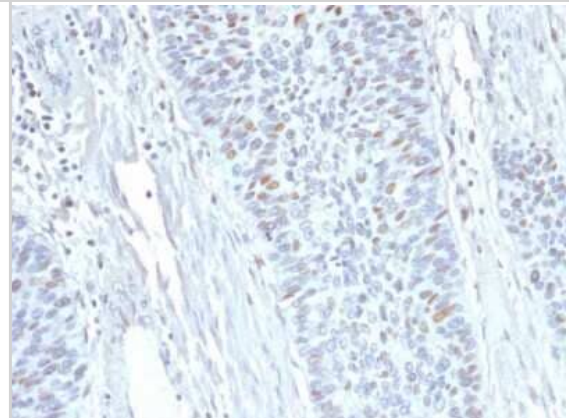
Product Information	
Unit Size	0.1 mg
Concentration	0.2 mg/ml
Storage	Store at 4C.
Clonality	Monoclonal
Clone	E67
Preservative	0.05% Sodium Azide
Isotype	IgG2a Kappa
Purity	Protein A or G purified
Buffer	10 mM PBS with 0.05% BSA
Target Molecular Weight	54 kDa
Product Description	
Description	200ug/ml of antibody purified from Bioreactor Concentrate by Protein A or G. Prepared in 10 mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0 mg/ml. (NBP2-34613) Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80C.
Host	Mouse
Gene ID	890
Gene Symbol	CCNA2
Species	Human, Mouse, Bovine, Mink, Monkey
Reactivity Notes	African Green Monkey, Mink (Mustela)
Specificity/Sensitivity	It recognizes a protein of 54kDa, which is identified as cyclin A. Its epitope is located amino acids 144-148 of human Cyclin A2. Cyclins are regulatory subunits of the cyclin-dependent kinases (cdks. 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.
Immunogen	Full length bovine Cyclin A2 protein (Uniprot: P20248)
Product Application Details	
Applications	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 0.5-1ug/ml, Flow Cytometry 1-2 ug/million cells, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1-2 ug/ml, Immunohistochemistry-Paraffin 1-2 ug/ml
Application Notes	Immunohistochemistry (Formalin-fixed): 1-2ug/ml for 30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95C followed by cooling at RT for 20 minutes. Optimal dilution for a specific application should be determined.

Images

Western Blot: Cyclin A2 Antibody (E67) [NBP2-34311] - Western Blot Analysis of HeLa cell lysate using Cyclin A2 Antibody (E67).



Immunohistochemistry-Paraffin: Cyclin A2 Antibody (E67) [NBP2-34311] - Formalin-fixed, paraffin-embedded human Endometrium stained with Cyclin A2 Antibody (E67).



Publications

Xu W, Chen S, Wang X et al. Methylprednisolone potentiates tetrandrine pharmacodynamics against human T lymphoblastoid leukemia MOLT-4 cells via regulation of NF-kappa B activation and cell cycle transition Steroids 2020-08-17 [PMID: 32818521]

Xu W, Wu H, Chen S et al. Cytotoxic effects of vitamins K1, K2 and K3 against human T lymphoblastoid leukemia cells through apoptosis induction and cell cycle arrest Chem Biol Drug Des 2020-04-18 [PMID: 32305047] (Human)



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Products Related to NBP2-34311-0.1mg

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-96981-0.5mg	Mouse IgG2a Kappa Isotype Control (M2AK)
NBP1-98953-100ug	Recombinant Human Cyclin A2 His Protein

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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