

Product Datasheet

CDC2/CDK1 Antibody (POH-1; same as cdc2.1) NBP2-34331-0.1mg

Unit Size: 0.1 mg

Store at 4C.

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NBP2-34331-0.1mg

CDC2/CDK1 Antibody (POH-1; same as cdc2.1)

Product Information	
Unit Size	0.1 mg
Concentration	0.2 mg/ml
Storage	Store at 4C.
Clonality	Monoclonal
Clone	POH-1; same as cdc2.1
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	34 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. (NBP2-34711) Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80C.
Host	Mouse
Gene ID	983
Gene Symbol	CDK1
Species	Human, Bovine, Mink, Monkey, Drosophila (Negative), Mouse (Negative), Rat (Negative), Xenopus (Negative)
Reactivity Notes	Does not react with Mouse, Rat, Xenopus, drosophila, S, pombe or S. cerevisiae.
Specificity/Sensitivity	Recognizes a 34kDa protein, which is identified as cyclin dependent kinase 1 (cdk1) or p34cdc2 protein kinase. cdk1 / p34cdc2 plays a crucial role during cell division and is most active during mitosis. It is predominantly localized in the nucleus. It is a serine/threonine kinase, which is activated by cyclin, presumably by de-phosphorylation of tyrosine residues. Activated cdk1 / p34cdc2 performs specific functions during mitosis, including nuclear envelope breakdown and chromosome condensation.
Immunogen	Recombinant full-length human p34cdc2 protein (Uniprot: P06493)

Product Application Details	
Applications	Western Blot, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1-2 ug/ml, Immunohistochemistry, Immunohistochemistry-Paraffin 2-4 ug/ml
Application Notes	Immunohistochemistry (Formalin-fixed): 2-4ug/ml for 30 minutes 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: CDC2/CDK1 Antibody (POH-1; same as cdc2.1) [NBP2-34331] - Western Blot Analysis of human HeLa cell lysate using CDC2/CDK1 Antibody (POH-1; same as cdc2.1)



Immunohistochemistry-Paraffin: CDC2/CDK1 Antibody (POH-1; same as cdc2.1) [NBP2-34331] - Analysis using the Azide and BSA Free version of NBP2-34331. Staining of human Tonsil stained with Cdk1 MAb (POH-1).



Publications

Fu C, Mao W, Gao R et al. Prostaglandin F2 alpha-PTGFR signaling promotes proliferation of endometrial epithelial cells of cattle through cell cycle regulation Anim. Reprod. Sci. 2020-02-01 [PMID: 31987327] (WB, Bovine)





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Products Related to NBP2-34331-0.1mg

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)
NBP2-51886-0.05mg	Recombinant Human CDC2/CDK1 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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