

Product Datasheet

CDK2 Antibody (CL7990) - Azide and BSA Free NBP3-44198

Unit Size: 100 ug

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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NBP3-44198

CDK2 Antibody (CL7990) - Azide and BSA Free

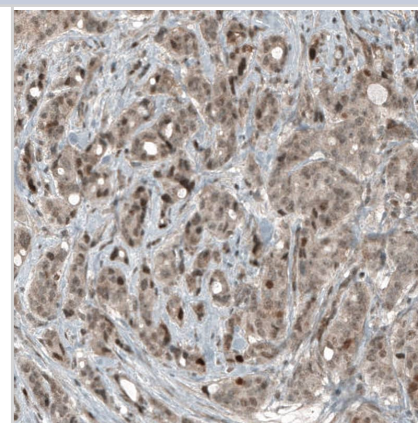
Product Information	
Unit Size	100 ug
Concentration	LYOPH mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	CL7990
Preservative	No Preservative
Reconstitution Instructions	Centrifuge the vial of lyophilized antibody at 12,000 x g for 20 seconds. Reconstitute by adding sterile, distilled water to achieve a final antibody concentration of 1mg/ml.
Isotype	IgG2a
Purity	Protein A purified
Buffer	Lyophilized from a 0.2 um filtered solution in PBS with Trehalose

Product Description	
Host	Mouse
Gene ID	1017
Gene Symbol	CDK2
Species	Human
Immunogen	This antibody was generated using a synthetic peptide of P24941, with the exact immunogen sequence remaining proprietary.

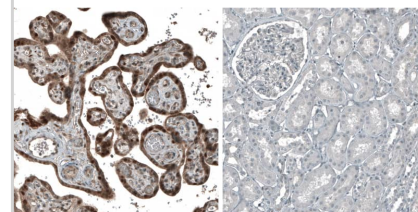
Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1 ug/ml, Immunocytochemistry/ Immunofluorescence 2-10 ug/ml, Immunohistochemistry-Paraffin 1:1000 - 1:2500
Application Notes	For Immunocytochemistry/ Immunofluorescence/IF, PFA/Triton X-100 is recommended for fixation/permeabilization. For IHC-Paraffin, HIER pH 6 retrieval is recommended.

Images

Staining of human breast cancer shows moderate to strong nuclear positivity in tumor cells.

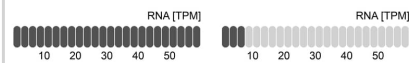


Analysis in human placenta and kidney tissues using NBP3-44198 antibody. Corresponding CDK2 RNA-seq data are presented for the same tissues.

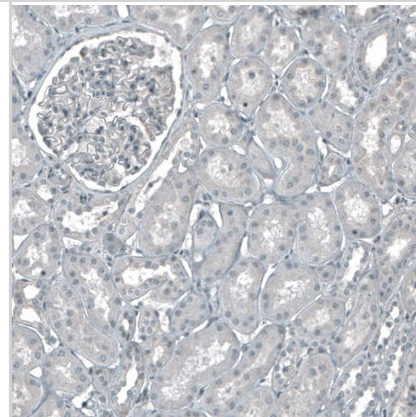


CDK2 in Placenta

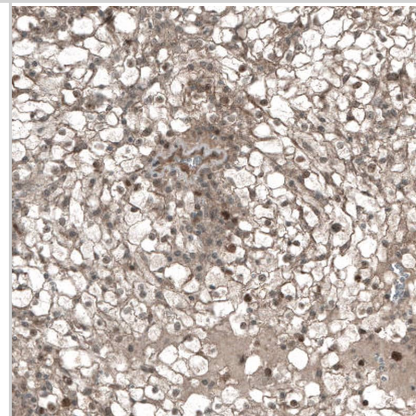
CDK2 in Kidney



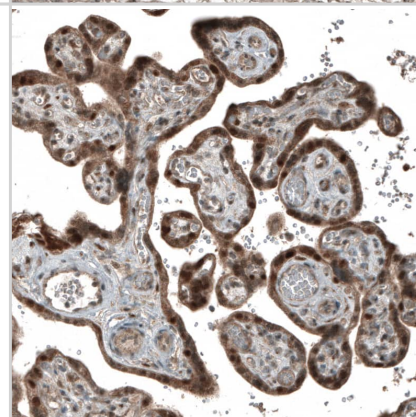
Staining of human kidney shows no positivity in cells in tubules as expected.



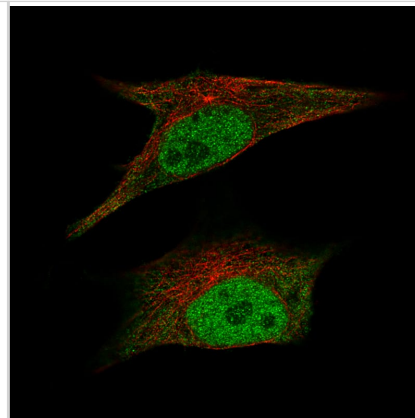
Staining of human renal cancer shows moderate to strong nuclear positivity in tumor cells.



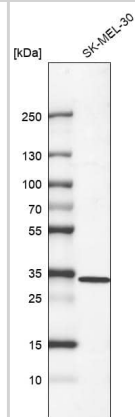
Staining of human placenta shows strong nuclear positivity in trophoblastic cells.



Staining of SK-MEL-30 cells using the Anti-CDK2 monoclonal antibody) .



Analysis in human cell line SK-MEL-30.





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Products Related to NBP3-44198

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-96778	Mouse IgG2a Isotype Control (M2A)

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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