

Product Datasheet

CDKL5 Antibody NBP1-84881

Unit Size: 0.1 ml

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

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Publications: 1

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NBP1-84881

CDKL5 Antibody

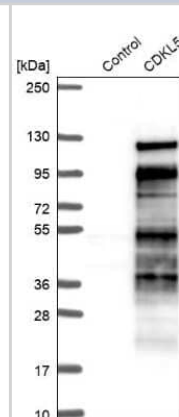
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	PBS (pH 7.2) and 40% Glycerol

Product Description	
Host	Rabbit
Gene ID	6792
Gene Symbol	CDKL5
Species	Human
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: AARANSLQLLSPQPGEQLPPEMTVARSSVKETSREGTSSFHTRQKSEGGVYH DPHSDDGTAPKENRHLYNPVPVRRVGSFYRVSPRPDNSFHENNVSTRVSSL PSESSSGTNSKRQPAFDP

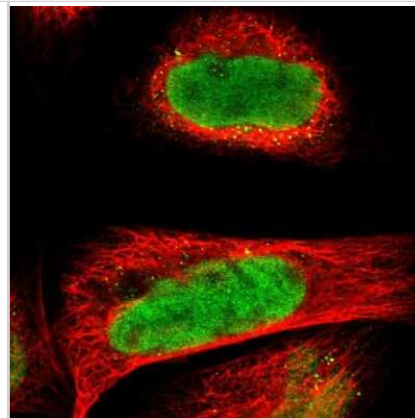
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:200 - 1:500, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:200-1:500
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF Fixation Permeabilization: Use PFA/Triton X-100.

Images

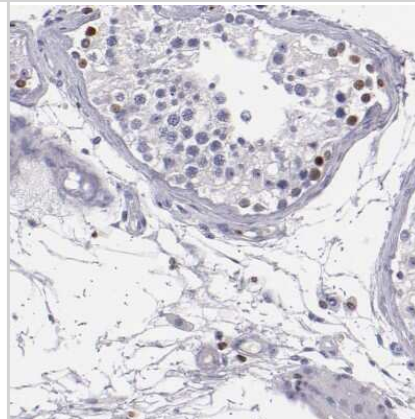
Western Blot: CDKL5 Antibody [NBP1-84881] - Analysis in control (vector only transfected HEK293T lysate) and CDKL5 over-expression lysate (Co-expressed with a C-terminal myc-DDK tag (3.1 kDa) in mammalian HEK293T cells).



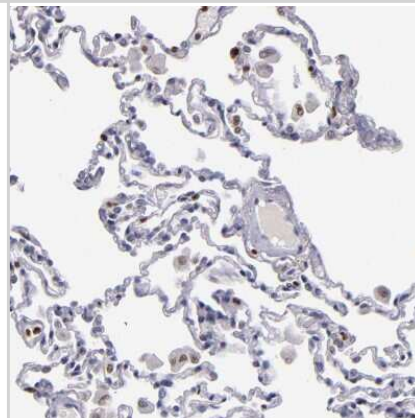
Immunocytochemistry/Immunofluorescence: CDKL5 Antibody [NBP1-84881] - Staining of human cell line A-431 shows localization to nucleoplasm. Antibody staining is shown in green.



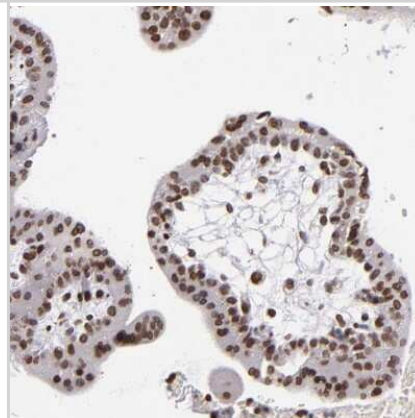
Immunohistochemistry-Paraffin: CDKL5 Antibody [NBP1-84881] - Staining of human testis shows moderate nuclear positivity in cells.



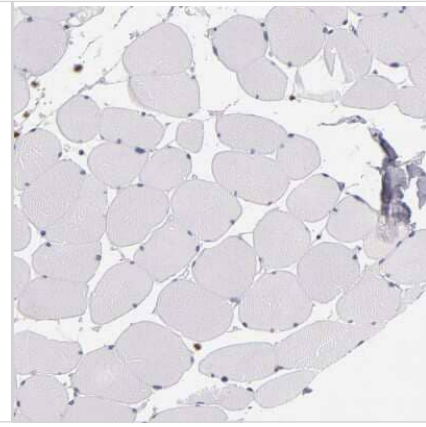
Immunohistochemistry-Paraffin: CDKL5 Antibody [NBP1-84881] - Staining of human lung shows moderate nuclear positivity in macrophages.



Immunohistochemistry-Paraffin: CDKL5 Antibody [NBP1-84881] - Staining of human placenta shows moderate nuclear positivity in trophoblastic cells.



Immunohistochemistry-Paraffin: CDKL5 Antibody [NBP1-84881] - Staining of human skeletal muscle shows no positivity in myocytes as expected.



Publications

Ricciardi S, Ungaro F, Hambrock M et al. CDKL5 ensures excitatory synapse stability by reinforcing NGL-1-PSD95 interaction in the postsynaptic compartment and is impaired in patient iPSC-derived neurons. Nat Cell Biol 2012-09-01 [PMID: 22922712]



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Products Related to NBP1-84881

NBP1-84881PEP	CDKL5 Recombinant Protein Antigen
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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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