

Product Datasheet

DCLK3 Antibody 21890002-0.1mg

Unit Size: 0.1 mg

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

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DCLK3 Antibody

Product Information	
Unit Size	0.1 mg
Concentration	Please see the 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	No Preservative
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	20mM Potassium Phosphate (pH 7.0) and 0.15M NaCl

Product Description	
Host	Rabbit
Gene ID	85443
Gene Symbol	DCLK3
Species	Human
Reactivity Notes	Human.
Specificity/Sensitivity	This product is specific for Human DCAMKL3.
Immunogen	This antibody is specific for the N Terminus Region of the target protein.
Notes	Manufactured by SDIX's proprietary Genomic Antibody Technology [®] ; GAT FAQs .

Product Application Details	
Applications	Western Blot, ELISA, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1:5000-1:20000, ELISA 1:100-1:2000, Immunohistochemistry 1:10-1:500, Immunohistochemistry-Paraffin 1:10-1:500
Application Notes	This antibody is useful in ELISA, Immunohistochemistry-Paraffin and Western Blot.

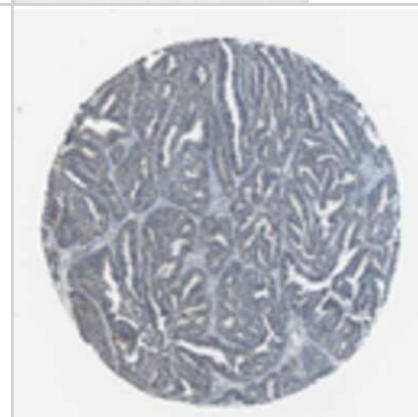


Images

Western Blot: DCLK3 Antibody [21890002] - Samples: Lane 1, Marker [kDa]: 250, 130, 95, 72, 55, 36, 28, 17, 11 Lane 2, RT-4 Lane 3, U-251MG sp Lane 4, Human Plasma Lane 5, Liver Lane 6, Tonsil , Target weight [kDa]: 74 Validation score: 2 Validation description: Supportive - Band of predicted size in kDa (+/-20%) with additional bands present.



Immunohistochemistry: DCLK3 Antibody [21890002] - Normal tissues generally displayed weak to moderate cytoplasmic and occasional nuclear positivity. Ciliated cells in airways and fallopian tube exhibited distinct membranous staining. Cells for example in liver, prostate and spleen were negative. Colo-rectal and endometrial cancers exhibited some moderately stained cases while malignant gliomas, ovarian and stomach cancers showed several weakly immunoreactive samples. Remaining malignant tissues were mainly negative. Image and statement courtesy of the Human Protein Atlas (HPA).

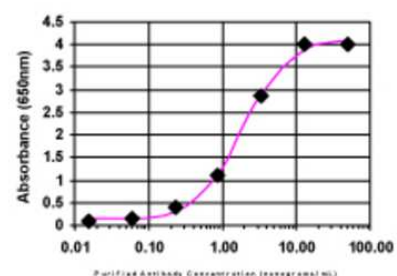


Western Blot: DCLK3 Antibody [21890002] - Western Blot was performed using affinity purified SEQer DCAMKL3 antibody, aa(138-237) antibody. The lanes contain 5-30ug of a whole cell extract. Final concentration of antibodies = 0.1ug/ml (1:10,000 dilution). The blot was probed overnight with the SEQer DCAMKL3 antibody, aa(138-237) antibody. Blot was then washed according to protocol and probed with goat-anti-Rabbit-HRP conjugate at 1:5000 dilution, washed and developed using chemiluminescence (film exposure 5-30sec). The protein was detected as represented by the band shown.



ELISA: DCLK3 Antibody [21890002]

ELISA:



The affinity purified antibody was serially diluted onto an ELISA plate coated with a recombinant protein fragment.

Publications

Galvan L, Francelle L, Gaillard MC et al. The striatal kinase DCLK3 produces neuroprotection against mutant huntingtin. *Brain*. 2018-03-09 [PMID: 29534157] (IF/IHC, Human)

Garrison C, Lastwika K, Zhang Y et al. Proteomic Analysis, Immune Dysregulation, and Pathway Interconnections With Obesity *J Proteome Res*. 2017-01-06 [PMID: 27769113] (MiAr)

Details:

Analysis is performed on plasma proteomic data to identify how obesity can alter pathways and to highlight the risk factor for disease in subjects with a high body mass index.

Rho JH, Lampe PD. High-throughput screening for native autoantigen-autoantibody complexes using antibody microarrays *J Proteome Res*. 2013-05-03 [PMID: 23541305] (MiAr)

Details:

A novel method using antibody microarrays is used to detect autoantibody-antigen complexes that can potentially be useful for detection and characterization of diseases.





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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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