

# Product Datasheet

## DLC1 Antibody - Isoform 1 and 3 NB300-917

Unit Size: 0.1 mg

Store at -20C. Avoid freeze-thaw cycles.

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**NB300-917**

DLC1 Antibody - Isoform 1 and 3

Product Information	
Unit Size	0.1 mg
Concentration	0.5 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	Tris saline (20 mM Tris pH 7.3, 150 mM NaCl), 0.5% BSA

Product Description	
Host	Goat
Gene ID	10395
Gene Symbol	DLC1
Species	Human, Mouse
Specificity/Sensitivity	This antibody is expected to recognise isoforms 1 and 3 ( NP_872584.2 and NP_079043.3 resp) but NOT isoform 2 (NP_006085.2).
Immunogen	Peptide with sequence SVAIRKRSWEEHC corresponding to N-Terminus according to NP_872584.2, NP_079043.3.

Product Application Details	
Applications	Immunohistochemistry, Immunohistochemistry-Paraffin, Immunofluorescence
Recommended Dilutions	Immunohistochemistry 4 ug/mL, Immunohistochemistry-Paraffin 4 ug/mL, Immunofluorescence 10 ug/mL
Application Notes	WB successful usage for human heart is reported in scientific literature (PMID: 19874489). IHC-P: Human adrenal gland (medulla) shows strong reticulate staining in the cytoplasm of medular cells.



## Images

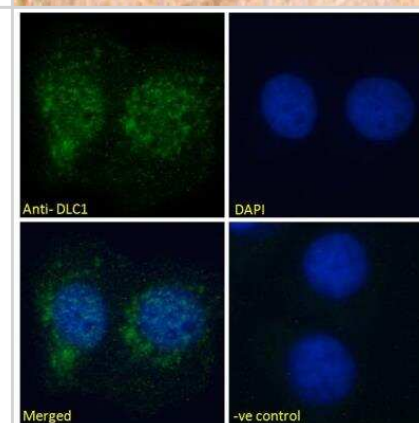
Immunohistochemistry-Paraffin: DLC1 Antibody - Isoform 1 and 3 [NB300-917] - Negative Control showing staining of paraffin embedded Mouse Adrenal Gland, with no primary antibody.



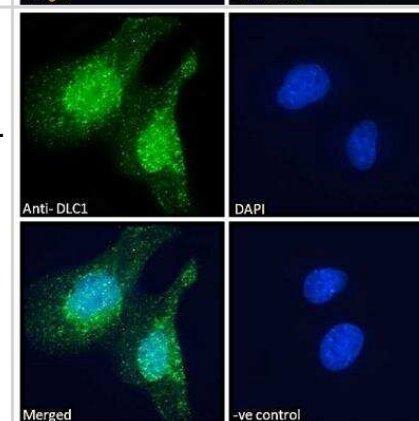
Immunohistochemistry-Paraffin: DLC1 Antibody - Isoform 1 and 3 [NB300-917] - Staining of paraffin embedded Mouse Adrenal Gland. Antibody at 4 ug/mL. Heat induced antigen retrieval with citrate buffer pH 6, HRP-staining.



Immunofluorescence: DLC1 Antibody - Isoform 1 and 3 [NB300-917] - Analysis of paraformaldehyde fixed U2OS cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10 ug/mL) followed by Alexa Fluor 488 secondary antibody (2 ug/mL), showing nuclear and cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10 ug/mL) followed by Alexa Fluor 488 secondary antibody (2 ug/mL).



Immunofluorescence: DLC1 Antibody - Isoform 1 and 3 [NB300-917] - Analysis of paraformaldehyde fixed U251 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10 ug/ml) followed by Alexa Fluor 488 secondary antibody (2 ug/mL), showing nuclear and vesicle staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10 ug/mL) followed by Alexa Fluor 488 secondary antibody (2 ug/mL).



## Publications

Ko FC, Yeung YS, Wong CM et al. Deleted in liver cancer 1 isoforms are distinctly expressed in human tissues, functionally different and under differential transcriptional regulation in hepatocellular carcinoma. Liver Int 2010-01-01 [PMID: 19874489]

Li B, Vachali P, Frederick JM, Bernstein PS. Identification of StARD3 as a Lutein-binding Protein in the Macula of the Primate Retina. Biochemistry;50(13):2541-9. 2011-04-05 [PMID: 21322544]





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### **Products Related to NB300-917**

NBL1-09907	DLC1 Overexpression Lysate
HAF017	Rabbit anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
HAF109	Donkey anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
NB410-28088-1mg	Goat 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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