

# Product Datasheet

## Dihydrolipoamide Dehydrogenase/DLD Antibody NBP2-19361

Unit Size: 0.1 ml

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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### Publications: 1

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Updated 9/25/2025 v.20.1

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**NBP2-19361****Dihydrolipoamide Dehydrogenase/DLD Antibody**

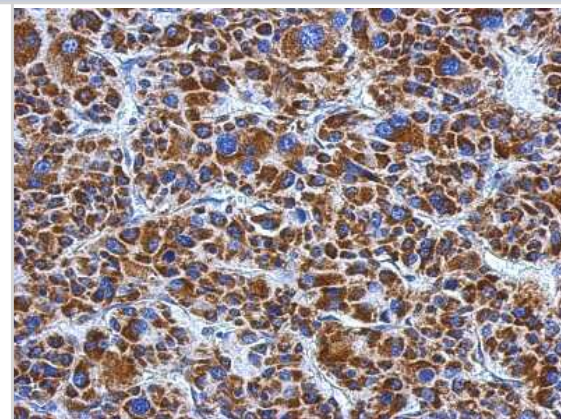
<b>Product Information</b>	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.01% Thimerosal
<b>Isotype</b>	IgG
<b>Purity</b>	Antigen Affinity-purified
<b>Buffer</b>	PBS, 1% BSA, 20% Glycerol
<b>Target Molecular Weight</b>	54 kDa

<b>Product Description</b>	
<b>Description</b>	Novus Biologicals Knockout (KO) Validated Rabbit Dihydrolipoamide Dehydrogenase/DLD Antibody (NBP2-19361) is a polyclonal antibody validated for use in IHC and WB. Anti-Dihydrolipoamide Dehydrogenase/DLD Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Rabbit
<b>Gene ID</b>	1738
<b>Gene Symbol</b>	DLD
<b>Species</b>	Human, Rat
<b>Reactivity Notes</b>	Chicken (88%), Xenopus laevis (80%).
<b>Immunogen</b>	Recombinant protein encompassing a sequence within the center region of human Dihydrolipoamide Dehydrogenase/DLD. The exact sequence is proprietary.

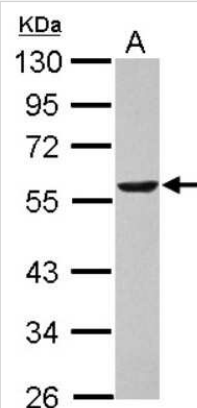
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, Immunohistochemistry, Knockout Validated
<b>Recommended Dilutions</b>	Western Blot 1:500-1:3000, Immunohistochemistry 1:100-1:1000, Immunohistochemistry-Paraffin 1:100-1:1000, Knockout Validated

**Images**

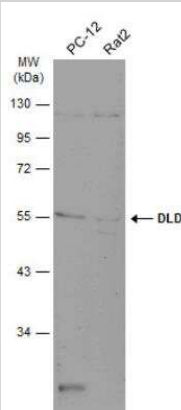
Immunohistochemistry-Paraffin: Dihydrolipoamide Dehydrogenase/DLD Antibody [NBP2-19361] - Analysis of paraffin-embedded Hepatoma, using antibody at 1:500 dilution.



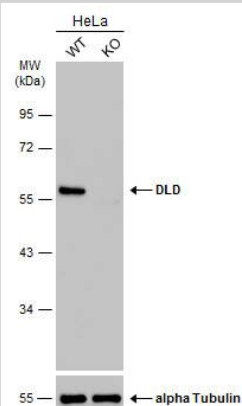
Western Blot: Dihydrolipoamide Dehydrogenase/DLD Antibody [NBP2-19361] - Sample (30 ug of whole cell lysate) A: U87-MG 10% SDS PAGE gel, diluted at 1:1000.



Western Blot: Dihydrolipoamide Dehydrogenase/DLD Antibody [NBP2-19361] - Various whole cell extracts (30 ug) were separated by 10% SDS-PAGE, and the membrane was blotted with DLD antibody diluted at 1:500. HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.

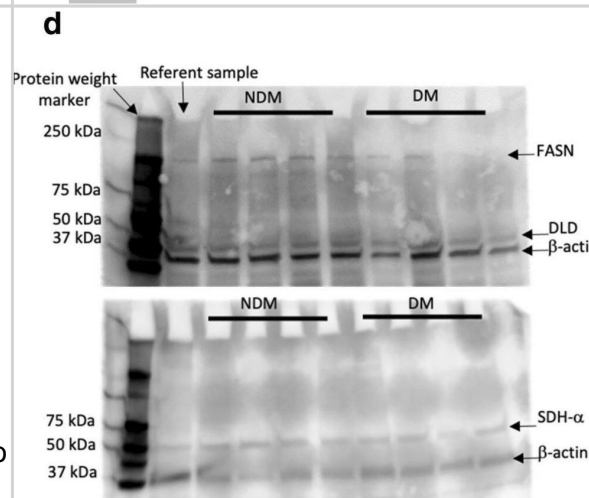


Wild-type (WT) and DLD knockout (KO) HeLa cell extracts (30 ug) were separated by 10% SDS-PAGE, and the membrane was blotted with DLD antibody [N1N3] (NBP2-19361) diluted at 1:500. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.



Sample preparation and differentially abundant proteins in DM and NDM tissues. Sample preparation was reproducible and similar between groups, as determined by the number of proteins quantified (a) and principal component analysis (b); no significant difference between groups was observed in number of proteins quantified; principal component projection does not separate DM from NDM samples indicating that overall protein composition of samples is similar between groups. (c) Volcano plots of protein abundance in DM compared with NDM samples. Light grey dots indicate differentially abundant proteins between groups; black dots represent proteins that were not significantly regulated. Labels indicate gene symbols. (d) Western blots for select targets differentially regulated in proteomic analysis. (e) Western blotting densitometry quantification. \*p-value < 0.001, independent t-test comparing NDM (n = 8) to DM (n = 8) densitometry values, normalized to actin as described in methods. Image collected and cropped by CiteAb from the following open publication

(<https://pubmed.ncbi.nlm.nih.gov/34462518>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



## Publications

Carruthers NJ, Strieder-Barboza C, Caruso JA et al. The human type 2 diabetes-specific visceral adipose tissue proteome and transcriptome in obesity Scientific reports 2021-08-30 [PMID: 34462518] (WB, Human)





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### **Products Related to NBP2-19361**

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NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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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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