

# Product Datasheet

## Pyruvate Dehydrogenase E2 Antibody - BSA Free NBP2-34065

Unit Size: 0.1 ml

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

[www.novusbio.com](http://www.novusbio.com)



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### Publications: 1

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Updated 12/2/2025 v.20.1

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**NBP2-34065**

## Pyruvate Dehydrogenase E2 Antibody - BSA Free

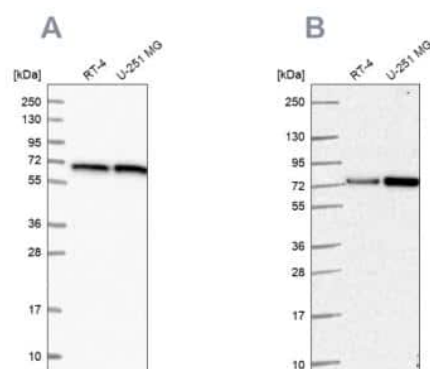
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium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

Product Description	
Description	Novus Biologicals Rabbit Pyruvate Dehydrogenase E2 Antibody - BSA Free (NBP2-34065) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. Anti-Pyruvate Dehydrogenase E2 Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	1737
Gene Symbol	DLAT
Species	Human
Immunogen	This antibody was developed against a recombinant protein corresponding to amino acids: LLPALSPMTMTMGTVQRWEKKVGEKLSEGDLLAEIETDKATIGFEVQEEGYLAKI LVPEGTRDVPPLGTPLCIIVEKEADISAFADYRPTEVTDLKPQVPPPT

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:500 - 1:1000, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:500 - 1:1000
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF Fixation Permeabilization: Use PFA/Triton X-100.

**Images**

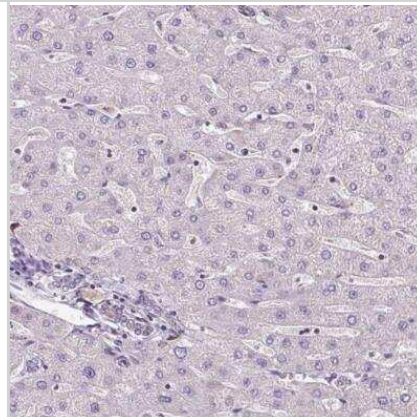
Western Blot: Pyruvate Dehydrogenase E2 Antibody [NBP2-34065] - Analysis using Anti-DLAT antibody NBP2-34065 (A) shows similar pattern to independent antibody NBP2-56744 (B).



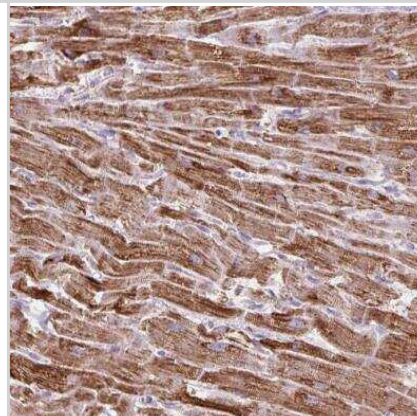
Immunocytochemistry/Immunofluorescence: Pyruvate Dehydrogenase E2 Antibody [NBP2-34065] - Staining of human cell line U-2 OS shows positivity in mitochondria. Antibody staining is shown in green.



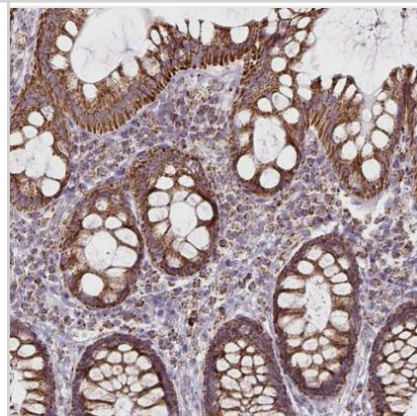
Immunohistochemistry-Paraffin: Pyruvate Dehydrogenase E2 Antibody [NBP2-34065] - Staining of human liver shows low expression as expected



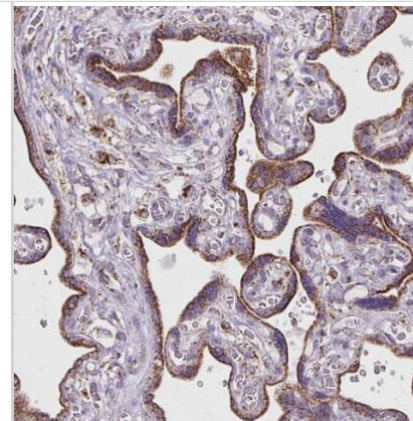
Immunohistochemistry-Paraffin: Pyruvate Dehydrogenase E2 Antibody [NBP2-34065] - Staining of human heart muscle shows high expression.



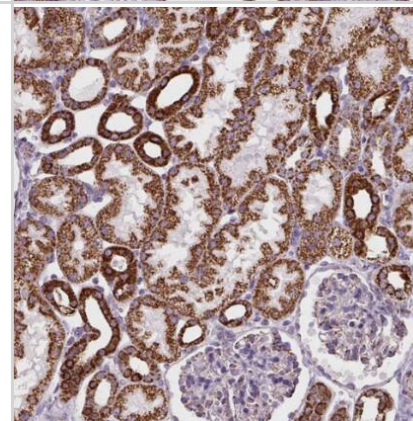
Immunohistochemistry-Paraffin: Pyruvate Dehydrogenase E2 Antibody [NBP2-34065] - Staining of human rectum shows strong cytoplasmic granular positivity in glandular cells.



Immunohistochemistry-Paraffin: Pyruvate Dehydrogenase E2 Antibody [NBP2-34065] - Staining of human placenta shows strong cytoplasmic granular positivity in trophoblastic cells.



Immunohistochemistry-Paraffin: Pyruvate Dehydrogenase E2 Antibody [NBP2-34065] - Staining of human kidney shows strong cytoplasmic granular positivity in cells in tubules.



## Publications

Kam, J H, Weinrich, T W Et al. Mitochondrial absorption of short wavelength light drives primate blue retinal cones into glycolysis which may increase their pace of aging. *Vis Neurosci* 2019-01-01 [PMID: 31199213] (ICC/IF, Human)



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### **Products Related to NBP2-34065**

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NBP2-34065PEP	Pyruvate Dehydrogenase E2 Recombinant Protein Antigen
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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