

Product Datasheet

Pyruvate Dehydrogenase E1-alpha subunit Antibody - BSA Free NBP2-33922

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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NBP2-33922**Pyruvate Dehydrogenase E1-alpha subunit Antibody - BSA Free**

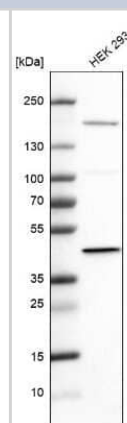
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium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

Product Description	
Description	Novus Biologicals Rabbit Pyruvate Dehydrogenase E1-alpha subunit Antibody - BSA Free (NBP2-33922) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	5160
Gene Symbol	PDHA1
Species	Human
Immunogen	This antibody was developed against a recombinant protein corresponding to amino acids: NDATFEIKKCDLYLLEEGPPVTTVLTR

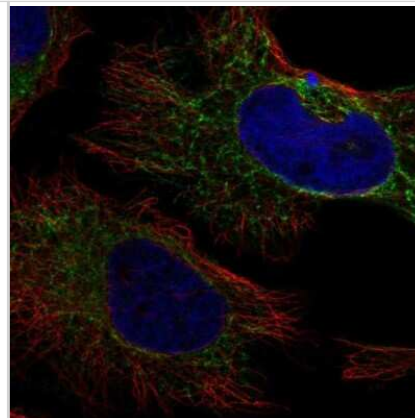
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:50 - 1:200, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:50 - 1:200
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF, Fixation Permeabilization: Use PFA/Triton X-100.

Images

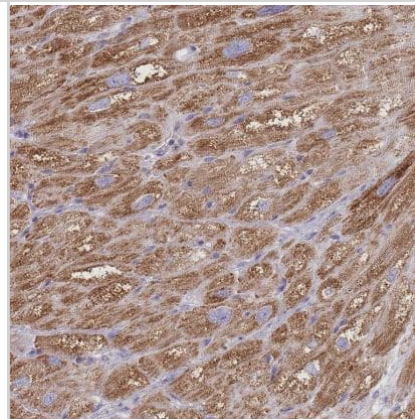
Western Blot: Pyruvate Dehydrogenase E1-alpha subunit Antibody [NBP2-33922] - Analysis in human cell line HEK 293.



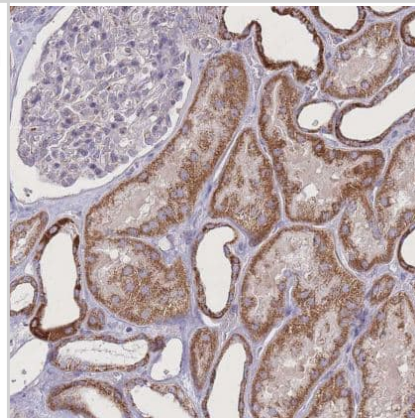
Immunocytochemistry/Immunofluorescence: Pyruvate Dehydrogenase E1-alpha subunit Antibody [NBP2-33922] - PDHA2 Antibody [NBP2-33922] - Staining of human cell line HeLa shows localization to mitochondria. Antibody staining is shown in green.



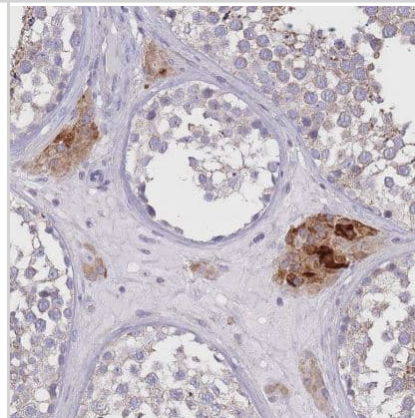
Immunohistochemistry-Paraffin: Pyruvate Dehydrogenase E1-alpha subunit Antibody [NBP2-33922] - Staining of human heart muscle shows strong cytoplasm granular positivity in cardiomyocytes.



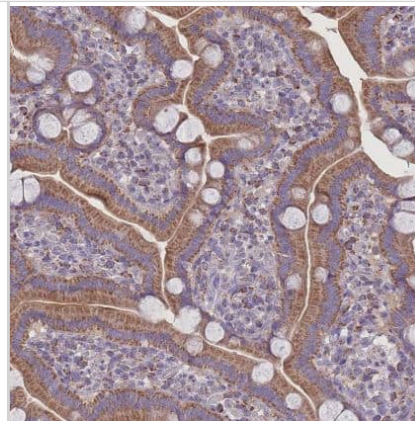
Immunohistochemistry-Paraffin: Pyruvate Dehydrogenase E1-alpha subunit Antibody [NBP2-33922] - Staining of human kidney shows strong cytoplasm granular positivity in cells in tubules.



Immunohistochemistry-Paraffin: Pyruvate Dehydrogenase E1-alpha subunit Antibody [NBP2-33922] - Staining of human testis shows strong cytoplasm granular positivity in Leydig cells.



Immunohistochemistry-Paraffin: Pyruvate Dehydrogenase E1-alpha subunit Antibody [NBP2-33922] - Staining of human duodenum shows moderate cytoplasm granular positivity in glandular cells.



Publications

Ismaeel A, Peck B, Montgomery M et al. microRNA-1 regulates metabolic flexibility by programming adult skeletal muscle pyruvate metabolism. *Molecular metabolism* 2025-06-07 [PMID: 40490136]



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Products Related to NBP2-33922

NBP2-33922PEP	Pyruvate Dehydrogenase E1-alpha subunit 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

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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