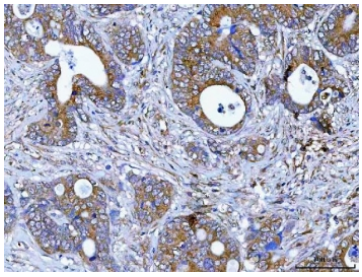
# PDXDC1 Antibody / Pyridoxal Decarboxylase Domain Protein Antibody (RQ7909)

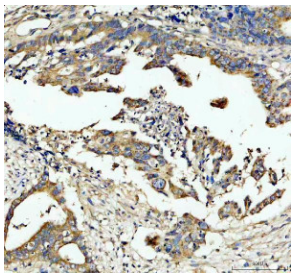
| Catalog No. | Formulation | Size |
|---|---|---|
| RQ7909 | 0.5mg/ml if reconstituted with 0.2ml sterile DI water | 100 ug |

**Bulk quote request**

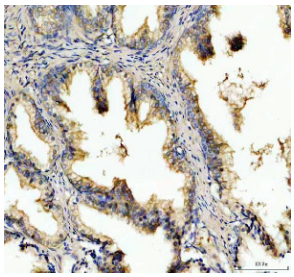
| | |
|---|---|
| **Availability** | 1-3 business days |
| **Species Reactivity** | Human, Mouse, Rat |
| **Format** | Antigen affinity purified |
| **Host** | Rabbit |
| **Clonality** | Polyclonal (rabbit origin) |
| **Isotype** | Rabbit IgG |
| **Purity** | Antigen affinity purified |
| **Buffer** | Lyophilized from 1X PBS with 2% Trehalose |
| **UniProt** | Q6P996 |
| **Localization** | Cytoplasmic |
| **Applications** | Western Blot : 0.5-1ug/ml<br>Immunohistochemistry (FFPE) : 2-5ug/ml<br>Immunofluorescence : 5ug/ml<br>Immunoprecipitation : 2ug per 500ug of lysate<br>Direct ELISA : 0.1-0.5ug/ml |
| **Limitations** | This PDXDC1 Antibody / Pyridoxal Decarboxylase Domain Protein Antibody is available for research use only. |



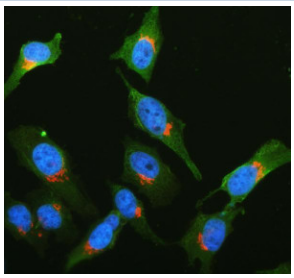
PDXDC1 Antibody Human Colorectal Cancer IHC. Immunohistochemistry staining of FFPE human colorectal adenocarcinoma tissue with PDXDC1 Antibody. HIER was performed using pH 8 EDTA buffer for 20 minutes prior to staining. The tissue section was incubated with PDXDC1 antibody, followed by HRP-conjugated secondary antibody and DAB chromogen detection. PDXDC1 Antibody / Pyridoxal Decarboxylase Domain Protein Antibody demonstrates cytoplasmic staining in colorectal cancer cells and supports studies of pyridoxal-dependent enzyme domain proteins, cellular metabolism and cancer biology pathways.



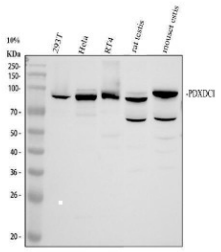
PDXDC1 Antibody Human Colon Cancer IHC. Immunohistochemistry staining of FFPE human colon cancer tissue with PDXDC1 Antibody at 2 ug/ml. HIER was performed using pH 8 EDTA buffer, followed by blocking with 10% goat serum. The tissue section was incubated with rabbit anti-PDXDC1 antibody overnight at 4Â°C, followed by HRP-conjugated goat anti-rabbit IgG secondary antibody and DAB chromogen detection. PDXDC1 Antibody / Pyridoxal Decarboxylase Domain Protein Antibody demonstrates cytoplasmic staining in colon cancer cells and supports studies of pyridoxal-dependent enzyme domain proteins, cellular metabolism and cancer biology pathways.



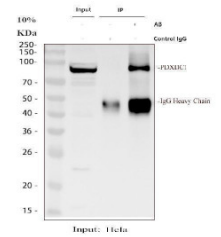
PDXDC1 Antibody Human Prostate Cancer IHC. Immunohistochemistry staining of FFPE human prostate cancer tissue with PDXDC1 Antibody at 2 ug/ml. HIER was performed using pH 8 EDTA buffer, followed by blocking with 10% goat serum. The tissue section was incubated with rabbit anti-PDXDC1 antibody overnight at 4Â°C, followed by HRP-conjugated goat anti-rabbit IgG secondary antibody and DAB chromogen detection. PDXDC1 Antibody / Pyridoxal Decarboxylase Domain Protein Antibody demonstrates cytoplasmic staining in prostate cancer cells and supports studies of pyridoxal-dependent enzyme domain proteins, cellular metabolism and cancer-associated cellular pathways.



PDXDC1 Antibody HeLa Cell IF. Immunofluorescent staining of human HeLa cells with PDXDC1 Antibody (red) at 5 ug/ml and alpha Tubulin mouse monoclonal antibody (green). Cells were incubated with rabbit anti-PDXDC1 antibody overnight at 4Â°C, followed by Cy3-conjugated goat anti-rabbit IgG and Fluoro488-conjugated anti-mouse IgG secondary antibodies. The section was counterstained with DAPI (blue). PDXDC1 Antibody / Pyridoxal Decarboxylase Domain Protein Antibody demonstrates cytoplasmic staining consistent with PDXDC1 expression and supports studies of pyridoxal-dependent enzyme domain proteins, cellular localization and metabolic regulation pathways.




PDXDC1 Antibody Human, Mouse and Rat WB. Western blot testing of human 293T, human HeLa, human RT4, rat testis and mouse testis lysates with PDXDC1 Antibody at 0.5 ug/ml. Lane 1: human 293T; Lane 2: human HeLa; Lane 3: human RT4; Lane 4: rat testis; Lane 5: mouse testis. A specific band was detected at approximately 87 kDa, consistent with the predicted molecular weight of the full-length PDXDC1 protein. PDXDC1 Antibody / Pyridoxal Decarboxylase Domain Protein Antibody supports studies of pyridoxal-dependent enzyme domain proteins, metabolic regulation and conserved cellular pathways.




PDXDC1 Antibody HeLa Cell IP. Immunoprecipitation of PDXDC1 from human HeLa whole cell lysate using PDXDC1 Antibody. Lane 1: HeLa input lysate; Lane 2: rabbit control IgG immunoprecipitation; Lane 3: PDXDC1 antibody immunoprecipitation. The immunoprecipitated protein was detected by Western blot using PDXDC1 antibody at 0.5 ug/ml, with a specific band observed at approximately 87 kDa, consistent with the predicted molecular weight of PDXDC1. PDXDC1 Antibody / Pyridoxal Decarboxylase Domain Protein Antibody supports protein interaction studies and analysis of pyridoxal-dependent enzyme domain protein expression.

## Description

PDXDC1 Antibody / Pyridoxal Decarboxylase Domain Protein Antibody detects pyridoxal dependent decarboxylase domain containing protein 1, a protein containing sequence features associated with pyridoxal phosphate-dependent enzyme families. PDXDC1 contains a conserved decarboxylase-related domain that shares similarity with enzymes involved in amino acid metabolism and other biochemical pathways. While the complete biological function of PDXDC1 remains an area of investigation, its conserved protein structure has made it a target of interest in studies examining

enzyme-related proteins and cellular regulatory pathways.

Pyridoxal phosphate-dependent proteins represent a diverse group of enzymes involved in numerous metabolic reactions, including amino acid modification, decarboxylation and molecular conversion processes. PDXDC1 is classified based on the presence of this conserved domain architecture, suggesting potential relationships with metabolic enzyme families. PDXDC1 Antibody provides researchers with a tool to examine expression patterns, protein distribution and regulation of this pyridoxal decarboxylase domain-containing protein in different biological samples.

Research involving PDXDC1 has explored its expression across human tissues and its potential connections to cellular metabolism and disease-associated processes. Proteins containing pyridoxal-dependent enzyme domains are important for understanding how cells regulate biochemical pathways and maintain normal physiological function. Continued investigation of PDXDC1 may provide additional insight into the roles of lesser-characterized enzyme-like proteins in cellular biology.

PDXDC1 expression studies support broader research into protein function, metabolic regulation and molecular characterization of conserved enzyme families. As genomic and proteomic studies identify additional proteins requiring functional analysis, antibodies targeting proteins such as PDXDC1 are valuable for evaluating tissue expression, cellular localization and changes associated with different experimental conditions.

PDXDC1 Antibody applications include detection of PDXDC1 protein expression and localization in biological samples using techniques such as Western blot, immunohistochemistry, immunofluorescence and related protein analysis methods. NSJ Bioreagents provides PDXDC1 Antibody / Pyridoxal Decarboxylase Domain Protein Antibody for researchers studying enzyme-domain proteins, metabolic biology and cellular regulatory pathways.

PDXDC1 Antibody detects a pyridoxal decarboxylase domain-containing protein associated with enzyme-domain and cellular regulation studies, making it a useful marker for research areas featured in our Cell Biology Antibodies page.

## Application Notes

Optimal dilution of the PDXDC1 Antibody / Pyridoxal Decarboxylase Domain Protein Antibody should be determined by the researcher.

## Immunogen

E. coli-derived recombinant human protein (amino acids E473-H773) was used as the immunogen for the PDXDC1 antibody.

## Storage

After reconstitution, the PDXDC1 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

## Alternate Names

Pyridoxal Dependent Decarboxylase Domain Containing 1 Antibody, PXDC1 Antibody, LP8165 Antibody, Pyridoxal Decarboxylase Domain Protein Antibody, PLP-Dependent Enzyme Domain Antibody, Uncharacterized Protein Antibody

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