



# PDP2 Polyclonal Antibody

|                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Catalog No         | BYab-31060                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Isotype            | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Reactivity         | Human;Rat;Mouse;                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Applications       | WB;ELISA;IHC                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Gene Name          | PDP2                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Protein Name       | [Pyruvate dehydrogenase [acetyl-transferring]]-phosphatase 2 mitochondrial                                                                                                                                                                                                                                                                                                                                                                                                     |
| Immunogen          | Synthesized peptide derived from PDP2 . at AA range: 70-150                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Specificity        | PDP2 Polyclonal Antibody detects endogenous levels of PDP2 protein.                                                                                                                                                                                                                                                                                                                                                                                                            |
| Formulation        | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.                                                                                                                                                                                                                                                                                                                                                                                                        |
| Source             | Polyclonal, Rabbit,IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Purification       | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.                                                                                                                                                                                                                                                                                                                                                          |
| Dilution           | WB 1:500-2000;IHC-p 1:50-300; ELISA 2000-20000                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Concentration      | 1 mg/ml                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Purity             | ≥90%                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Storage Stability  | -20°C/1 year                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Synonyms           | PDP2; KIAA1348; [Pyruvate dehydrogenase [acetyl-transferring]]-phosphatase 2, mitochondrial; PDP 2; Pyruvate dehydrogenase phosphatase catalytic subunit 2; PDPC 2                                                                                                                                                                                                                                                                                                             |
| Observed Band      | 59kD                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Cell Pathway       | Mitochondrion matrix .                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Tissue Specificity | Brain,                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Function           | catalytic activity:[Pyruvate dehydrogenase (acetyl-transferring)] phosphate + H(2)O = [pyruvate dehydrogenase (acetyl-transferring)] + phosphate.,cofactor:Binds 2 magnesium ions per subunit.,function:Catalyzes the dephosphorylation and concomitant reactivation of the alpha subunit of the E1 component of the pyruvate dehydrogenase complex.,similarity:Belongs to the PP2C family.,subunit:Heterodimer of a catalytic subunit and a FAD protein of unknown function., |
| Background         | This gene is a mitochondrial protein that functions as a phosphatase and is involved in the enzymatic resetting of the pyruvate dehydrogenase complex.                                                                                                                                                                                                                                                                                                                         |

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Alternative splicing results in multiple transcript variants encoding the same protein. [provided by RefSeq, Aug 2016],

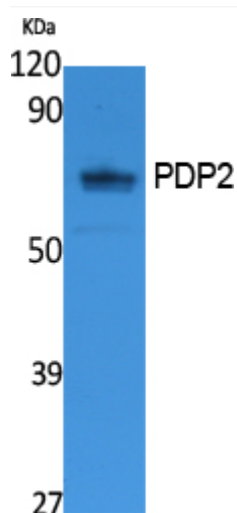
**matters needing attention**

Avoid repeated freezing and thawing!

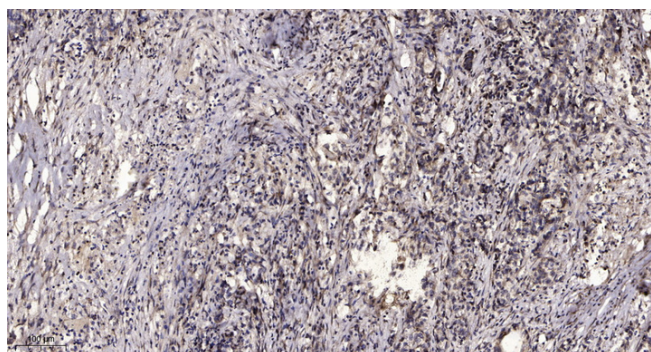
**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## Products Images



Western Blot analysis of extracts from K562 cells, using PDP2 Polyclonal Antibody. Secondary antibody(catalog#:RS0002) was diluted at 1:20000



Immunohistochemical analysis of paraffin-embedded human Gastric adenocarcinoma. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).

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