

## Rabbit PNPO Polyclonal Antibody | anti-PNPO antibody

PNPO Polyclonal Antibody

|                               |                       |                                        |                                           |
|-------------------------------|-----------------------|----------------------------------------|-------------------------------------------|
| CATALOG #<br><b>AAA177564</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human, Mouse, Rat</b> | APPLICATIONS<br><b>Immunofluorescence</b> |
|-------------------------------|-----------------------|----------------------------------------|-------------------------------------------|

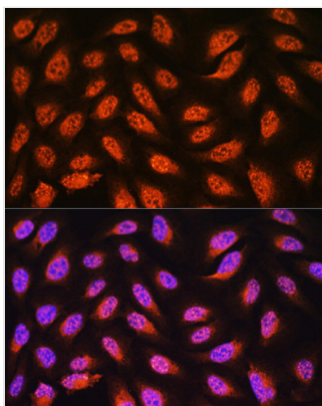
### PRODUCT SYNONYMS

PNPO; Polyclonal Antibody; PNPO Polyclonal Antibody; HEL-S-302; PDXPO; anti-PNPO antibody

### PRODUCT SPECIFICATIONS

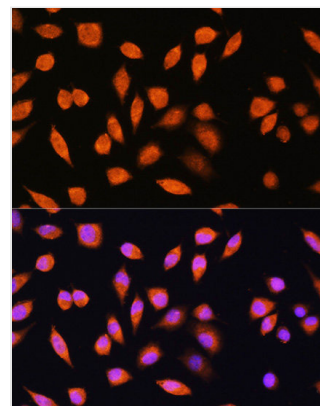
|                                                |                                                  |
|------------------------------------------------|--------------------------------------------------|
| Host                                           | Rabbit                                           |
| Reactivity                                     | Human, Mouse, Rat                                |
| Clonality                                      | Polyclonal                                       |
| Isotype                                        | IgG                                              |
| Purity/Purification                            | Affinity purification                            |
| Form/Format                                    | PBS with 0.02% sodium azide, 50% glycerol, pH7.3 |
| Concentration                                  | 1mg/mL (varies by lot)                           |
| Applicable Applications for anti-PNPO antibody | IF (Immunofluorescence)                          |
| Immunogen                                      | Recombinant protein of human PNPO                |
| Conjugation                                    | Unconjugated                                     |
| Preparation and Storage                        | Store at -20 degree C. Avoid freeze/thaw cycles. |

### IMAGES



#### IF (Immunofluorescence)

Immunofluorescence analysis of U2OS cells using PNPO Polyclonal Antibody at dilution of 1:100. Blue: DAPI for nuclear staining.



#### IF (Immunofluorescence)

Immunofluorescence analysis of L929 cells using PNPO Polyclonal Antibody at dilution of 1:100. Blue: DAPI for nuclear staining.

ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|----------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-PNPO antibody | The enzyme encoded by this gene catalyzes the terminal, rate-limiting step in the synthesis of pyridoxal 5'-phosphate, also known as vitamin B6. Vitamin B6 is a required co-factor for enzymes involved in both homocysteine metabolism and synthesis of neurotransmitters such as catecholamine. Mutations in this gene result in pyridoxamine 5'-phosphate oxidase (PNPO) deficiency, a form of neonatal epileptic encephalopathy. |
| Product Categories/Family for anti-PNPO antibody   | Metabolism; Neuroscience; Signal transduction; Polyclonal Antibody                                                                                                                                                                                                                                                                                                                                                                    |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                        |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 8922498                                                                                                                                                                |
| NCBI GeneID                      | 55163                                                                                                                                                                  |
| NCBI Accession #                 | NP_060599.1                                                                                                                                                            |
| NCBI GenBank Nucleotide #        | NM_018129.3                                                                                                                                                            |
| UniProt Accession #              | Q9NVS9; B4E0V0; B4E152; B4E1D7; D3DTT9                                                                                                                                 |
| Molecular Weight                 | 25,200 Da                                                                                                                                                              |
| NCBI Official Full Name          | pyridoxine-5'-phosphate oxidase                                                                                                                                        |
| NCBI Official Synonym Full Names | pyridoxamine 5'-phosphate oxidase                                                                                                                                      |
| NCBI Official Symbol             | PNPO                                                                                                                                                                   |
| NCBI Official Synonym Symbols    | PDXPO; HEL-S-302                                                                                                                                                       |
| NCBI Protein Information         | pyridoxine-5'-phosphate oxidase; epididymis secretory protein Li 302; pyridoxal 5'-phosphate synthase; pyridoxamine-phosphate oxidase; pyridoxine 5'-phosphate oxidase |
| UniProt Protein Name             | Pyridoxine-5'-phosphate oxidase                                                                                                                                        |
| UniProt Gene Name                | PNPO                                                                                                                                                                   |
| UniProt Entry Name               | PNPO_HUMAN                                                                                                                                                             |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)  
Online datasheet: <https://stage.aaabiotech.com/polyclonal/pnpo-antibody-immunofluorescence-elisa/177564>