

Product datasheet for **TA380107**

PNPO Rabbit Polyclonal Antibody

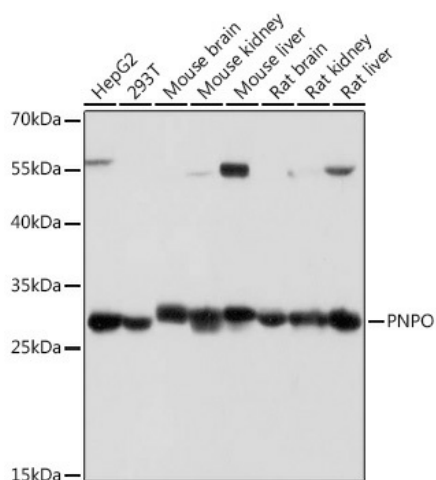
Product data:

| | |
|-------------------------|---|
| Product Type: | Primary Antibodies |
| Applications: | ICC/IF, WB |
| Recommended Dilution: | WB,1:500 - 1:2000 IF,1:50 - 1:200 |
| Reactivity: | Human, Mouse, Rat |
| Host: | Rabbit |
| Isotype: | IgG |
| Clonality: | Polyclonal |
| Immunogen: | Recombinant protein of human PNPO. |
| Formulation: | Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3. |
| Concentration: | lot specific |
| Purification: | Affinity purification |
| Conjugation: | Unconjugated |
| Storage: | Store at -20°C. Avoid freeze / thaw cycles. |
| Stability: | Shelf life: one year from despatch. |
| Predicted Protein Size: | 7kDa/25kDa/27kDa/29kDa |
| Gene Name: | pyridoxamine 5'-phosphate oxidase |
| Database Link: | Entrez Gene 55163 Human Q9NVS9 |
| Background: | 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. |
| Synonyms: | FLJ10535; PDXPO |

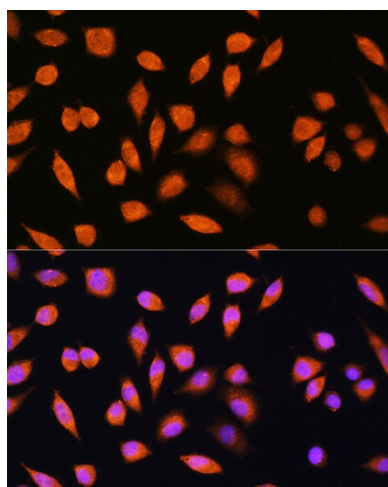


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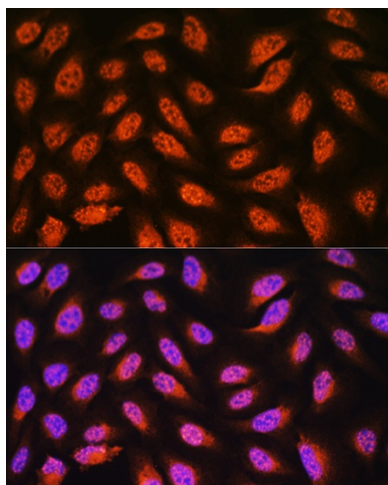
Product images:



Western blot analysis of extracts of various cell lines, using PNPO antibody (TA380107) at 1:1000 dilution. | Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. | Lysates/proteins: 25ug per lane. | Blocking buffer: 3% nonfat dry milk in TBST. | Detection: ECL Basic Kit . | Exposure time: 1s.



Immunofluorescence analysis of L929 cells using PNPO antibody (TA380107) at dilution of 1:100. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of U2OS cells using PNPO antibody (TA380107) at dilution of 1:100. Blue: DAPI for nuclear staining.