

Product datasheet for **TA335140**

PPOX Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-PPOX antibody: synthetic peptide directed towards the N terminal of human PPOX. Synthetic peptide located within the following region: SSERLGGWIRSVRGPNGAIFELGPRGIRPAGALGARTLLLSELGLDSEV
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	51 kDa
Gene Name:	protoporphyrinogen oxidase
Database Link:	NP_000300 Entrez Gene 5498 Human P50336



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Background: PPOX catalyzes the 6-electron oxidation of protoporphyrinogen-IX to form protoporphyrin-IX. This gene encodes the penultimate enzyme of heme biosynthesis, which catalyzes the 6-electron oxidation of protoporphyrinogen IX to form protoporphyrin IX. Mutations in this gene cause variegate porphyria, an autosomal dominant disorder of heme metabolism resulting from a deficiency in protoporphyrinogen oxidase, an enzyme located on the inner mitochondrial membrane. Alternatively spliced transcript variants encoding the same protein have been identified.

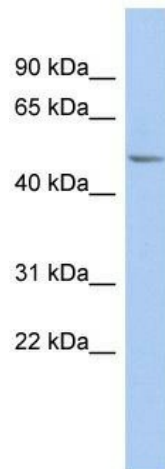
Synonyms: PPO; V290M; VP

Note: Immunogen Sequence Homology: Pig: 100%; Rat: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Bovine: 100%; Rabbit: 100%; Dog: 93%; Guinea pig: 86%

Protein Families: Druggable Genome

Protein Pathways: Metabolic pathways, Porphyrin and chlorophyll metabolism

Product images:



WB Suggested Anti-PPOX Antibody Titration: 0.2-1 ug/ml; ELISA Titer: 1:62500; Positive Control: HT1080 cell lysate