

Datasheet for ABIN2786509
anti-PPOX antibody (N-Term)[Go to Product page](#)[1 Image](#)[1 Publication](#)

Overview

Quantity:	100 µL
Target:	PPOX
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Rabbit, Cow, Guinea Pig, Horse, Dog, Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PPOX antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human PPOX
Sequence:	SSERLGGWIR SVRGPNGAIF ELGPRGIRPA GALGARTLLL VSELGLDSEV
Predicted Reactivity:	Cow: 100%, Dog: 93%, Guinea Pig: 86%, Horse: 100%, Human: 100%, Mouse: 100%, Pig: 100%, Rabbit: 100%, Rat: 100%
Characteristics:	This is a rabbit polyclonal antibody against PPOX. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	PPOX
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Target Details

Alternative Name:	PPOX (PPOX Products)
Background:	<p>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.</p> <p>Alias Symbols: MGC8485, PPO, V290M, VP</p> <p>Protein Interaction Partner: HNRNPD, UBC, COPS5, HAP1, PPOX, IMMT,</p> <p>Protein Size: 477</p>
Molecular Weight:	51 kDa
Gene ID:	5498
NCBI Accession:	NM_000309 , NP_000300
UniProt:	P50336
Pathways:	Synaptic Membrane , Feeding Behaviour

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 477 AA
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

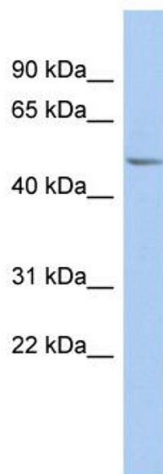
Handling

Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Publications

Product cited in:	Schauer, Freund, Prenni, Curthoys: "Proteomic profiling and pathway analysis of the response of rat renal proximal convoluted tubules to metabolic acidosis." in: American journal of physiology. Renal physiology , Vol. 305, Issue 5, pp. F628-40, (2013) (PubMed).
	Freund, Prenni, Curthoys: "Response of the mitochondrial proteome of rat renal proximal convoluted tubules to chronic metabolic acidosis." in: American journal of physiology. Renal physiology , Vol. 304, Issue 2, pp. F145-55, (2013) (PubMed).

Images



Western Blotting

Image 1. WB Suggested Anti-PPOX Antibody Titration:

0.2-1 ug/ml

ELISA Titer: 1:62500

Positive Control: HT1080 cell lysate