

# Product Datasheet

## PPOX Antibody (2F10) H00005498-M01

Unit Size: 0.1 mg

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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**H00005498-M01**

PPOX Antibody (2F10)

**Product Information**

<b>Unit Size</b>	0.1 mg
<b>Concentration</b>	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	2F10
<b>Preservative</b>	No Preservative
<b>Isotype</b>	IgG1 Kappa
<b>Purity</b>	IgG purified
<b>Buffer</b>	In 1x PBS, pH 7.4

**Product Description**

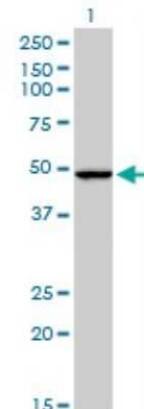
<b>Description</b>	Quality control test: Antibody Reactive Against Recombinant Protein.
<b>Host</b>	Mouse
<b>Gene ID</b>	5498
<b>Gene Symbol</b>	PPOX
<b>Species</b>	Human, Mouse
<b>Specificity/Sensitivity</b>	PPOX - protoporphyrinogen oxidase
<b>Immunogen</b>	PPOX (AAH02357, 378 a.a. ~ 477 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 kDa. EASGCVLSQELFQQRAQEAAATQLGLKEMPSHCLVHLHKNCIPQYTLGHWQK LESARQFLTAHRLPLTLAGASYEGVAVNDCIESGRQAAVSLGTEPNS
<b>Notes</b>	This product is produced by and distributed for Abnova, a company based in Taiwan.

**Product Application Details**

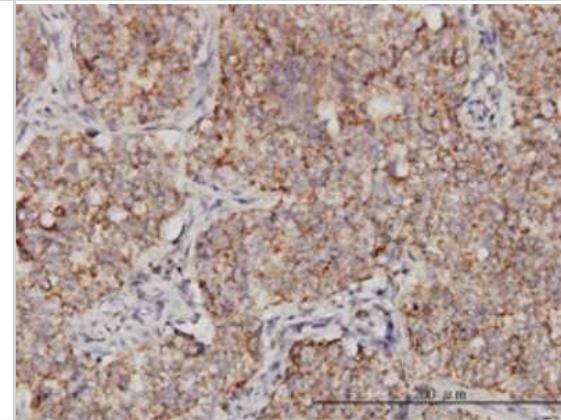
<b>Applications</b>	Western Blot, ELISA, Immunohistochemistry, Immunohistochemistry-Paraffin, Knockdown Validated
<b>Recommended Dilutions</b>	Western Blot 1:500, ELISA, Immunohistochemistry, Immunohistochemistry-Paraffin, Knockdown Validated
<b>Application Notes</b>	Antibody reactivity against recombinant protein for WB. It has been used for IHC-P, RNAi Validation and ELISA.

## Images

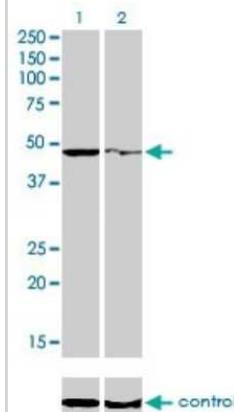
Western Blot: PPOX Antibody (2F10) [H00005498-M01] - Analysis of PPOX expression in transfected 293T cell line by PPOX monoclonal antibody (M01), clone 2F10. Lane 1: PPOX transfected lysate(50.8 kDa). Lane 2: Non-transfected lysate.



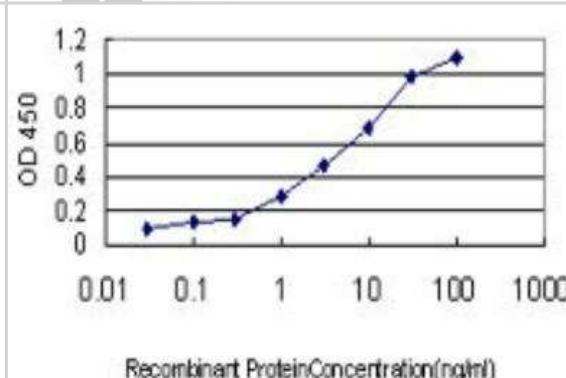
Immunohistochemistry-Paraffin: PPOX Antibody (2F10) [H00005498-M01] - Analysis of monoclonal antibody to PPOX on formalin-fixed paraffin-embedded human lung, adenosquamous cell carcinoma. Antibody concentration 3 ug/ml.



Western Blot: PPOX Antibody (2F10) [H00005498-M01] - Analysis of PPOX over-expressed 293 cell line, cotransfected with PPOX Validated Chimera RNAi ( Cat # H00005498-R01V ) (Lane 2) or non-transfected control (Lane 1). Blot probed with PPOX monoclonal antibody (M01), clone 2F10 (Cat # H00005498-M01). GAPDH ( 36.1 kDa ) used as specificity and loading control.



ELISA: PPOX Antibody (2F10) [H00005498-M01] - Detection limit for recombinant GST tagged PPOX is approximately 0.1ng/ml as a capture antibody.



## Publications

Yang DF, Lee JW, Chen HM et al. Methotrexate enhances 5-aminolevulinic acid-mediated photodynamic therapy-induced killing of human SCC4 cells by upregulation of coproporphyrinogen oxidase. *J Formos Med Assoc.* 2014-01-29 [PMID: 24485831]

Yang DF, Chen JH, Chiang CP et al. Improve efficacy of topical ALA-PDT by calcipotriol through up-regulation of coproporphyrinogen oxidase. *Photodiagnosis Photodyn Ther.* 2014-05-02 [PMID: 24907534]

Crooks DR, Ghosh MC, Haller RG et al. Posttranslational stability of the heme biosynthetic enzyme ferrochelatase is dependent on iron availability and intact iron-sulfur cluster assembly machinery. *Blood* 115(4):860-9. 2010-01-28 [PMID: 19965627]





## Novus Biologicals USA

10730 E. Briarwood Avenue  
Centennial, CO 80112  
USA  
Phone: 303.730.1950  
Toll Free: 1.888.506.6887  
Fax: 303.730.1966  
nb-customerservice@bio-techne.com

## Bio-Techne Canada

21 Canmotor Ave  
Toronto, ON M8Z 4E6  
Canada  
Phone: 905.827.6400  
Toll Free: 855.668.8722  
Fax: 905.827.6402  
canada.inquires@bio-techne.com

## Bio-Techne Ltd

19 Barton Lane  
Abingdon Science Park  
Abingdon, OX14 3NB, United Kingdom  
Phone: (44) (0) 1235 529449  
Free Phone: 0800 37 34 15  
Fax: (44) (0) 1235 533420  
info.EMEA@bio-techne.com

## General Contact Information

[www.novusbio.com](http://www.novusbio.com)  
Technical Support: [nb-technical@bio-techne.com](mailto:nb-technical@bio-techne.com)  
Orders: [nb-customerservice@bio-techne.com](mailto:nb-customerservice@bio-techne.com)  
General: [novus@novusbio.com](mailto:novus@novusbio.com)

## Products Related to H00005498-M01

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)
H00005498-P01-10ug	Recombinant Human PPOX GST (N-Term) Protein

## Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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