

Product datasheet

Anti-PPOX antibody ab58147

2 图像

概述

产品名称	Anti-PPOX抗体
描述	小鼠单克隆抗体to PPOX
经测试应用	适用于: WB, IHC-P
种属反应性	与反应: Human
免疫原	Recombinant fragment: EASGCVLSQE LFQQRAQEEA ATQLGLKEMP SHCLVHLHKN CIPQYTLGHW QKLESARQFL TAHRLPLTLA GASYEGVAVN DCIESGRQAA VSVLGTEPNS , corresponding to amino acids 378-478 of Human PPOX Run BLAST with ExPASy Run BLAST with NCBI

性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
存储溶液	Preservative: None PBS, pH 7.2
纯度	Protein G purified
克隆	单克隆
同种型	IgG1
轻链类型	kappa

应用

Our [Abpromise guarantee](#) covers the use of **ab58147** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用	Ab评论	说明
WB		
IHC-P		

应用说明

WB: Use at a concentration of 1-5 µg/ml.

IHC-P: Use at a concentration of 3 µg/ml.

This antibody has only been tested in WB against the recombinant fragment used as immunogen. We have no data on the detection of endogenous protein.

Not yet tested in other applications.

Optimal dilutions/concentrations should be determined by the end user.

靶标

功能

Catalyzes the 6-electron oxidation of protoporphyrinogen-IX to form protoporphyrin-IX.

组织特异性

Expressed in heart, brain, placenta, lung, liver, skeletal muscle, kidney and pancreas.

通路

Porphyrin metabolism; protoporphyrin-IX biosynthesis; protoporphyrin-IX from protoporphyrinogen-IX: step 1/1.

疾病相关

Defects in PPOX are the cause of variegate porphyria (VP) [MIM:176200]. Porphyrias are inherited defects in the biosynthesis of heme, resulting in the accumulation and increased excretion of porphyrins or porphyrin precursors. They are classified as erythropoietic or hepatic, depending on whether the enzyme deficiency occurs in red blood cells or in the liver. PV is the most common form of porphyria in South Africa. It is characterized by skin hyperpigmentation and hypertrichosis, abdominal pain, tachycardia, hypertension and neuromuscular disturbances. High fecal levels of protoporphyrin and coproporphyrin, increased urine uroporphyrins and iron overload are typical markers of the disease.

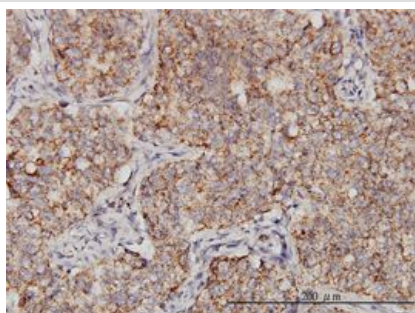
序列相似性

Belongs to the protoporphyrinogen oxidase family.

细胞定位

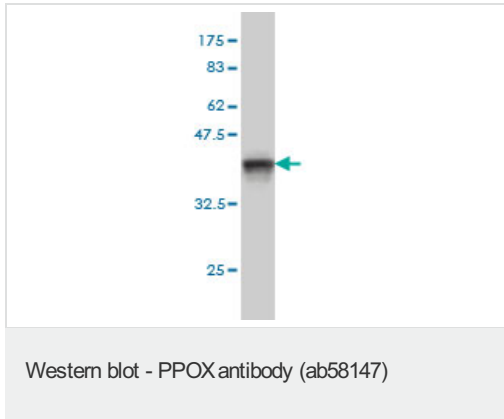
Mitochondrion inner membrane.

图片



PPOX antibody (ab58147) used in immunohistochemistry at 3µg/ml on formalin fixed and paraffin embedded human lung, adenocarcinoma.

IHC-P - PPOX antibody (ab58147)



Western blot against tagged recombinant protein immunogen using ab58147 PPOX antibody at 1ug/ml. Predicted band size of immunogen is 37 kDa

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