

Datasheet for ABIN390416
anti-POR antibody (AA 462-488)



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2 Images

Overview

Quantity:	400 µL
Target:	POR
Binding Specificity:	AA 462-488
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This POR antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This P450R antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 462-488 amino acids from the Central region of human P450R.
Clone:	RB19543
Isotype:	Ig Fraction
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Target Details

Target:	POR
Alternative Name:	P450R (POR Products)

Target Details

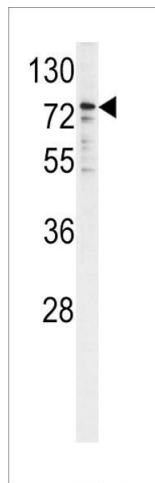
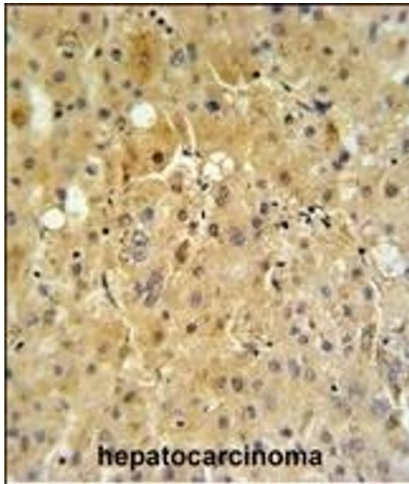
Background:	P450R is an endoplasmic reticulum membrane oxidoreductase with an FAD-binding domain and a flavodoxin-like domain. The protein binds two cofactors, FAD and FMN, which allow it to donate electrons directly from NADPH to all microsomal P450 enzymes. Mutations in its gene have been associated with various diseases, including apparent combined P450C17 and P450C21 deficiency, amenorrhea and disordered steroidogenesis, congenital adrenal hyperplasia and Antley-Bixler syndrome.
Molecular Weight:	76690
Gene ID:	5447
NCBI Accession:	NP_000932
UniProt:	P16435
Pathways:	Regulation of Hormone Metabolic Process , Regulation of Hormone Biosynthetic Process , SARS-CoV-2 Protein Interactome

Application Details

Application Notes:	WB: 1:1000. IHC-P: 1:50~100
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. P450R Antibody (Center) (ABIN390416 and ABIN2840804) IHC analysis in formalin fixed and paraffin embedded human hepatocarcinoma tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the P450R Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.

Western Blotting

Image 2. Western blot analysis of P450R antibody (Center) (ABIN390416 and ABIN2840804) in K562 cell line lysates (35 µg/lane). P450R (arrow) was detected using the purified Pab.