

Datasheet for ABIN2781830  
**anti-POR antibody (N-Term)**



[Go to Product page](#)

3 Images

## Overview

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

## Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human POR
Sequence:	IDNALVVFCM ATYGEGDPTD NAQDFYDWLQ ETDVDLSGVK FAVFGLGNKT
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Yeast: 93%, Zebrafish: 100%
Characteristics:	This is a rabbit polyclonal antibody against POR. It was validated on Western Blot and immunohistochemistry.
Purification:	Protein A purified

## Target Details

Target:	POR
---------	-----

## Target Details

Alternative Name:	POR ( <a href="#">POR Products</a> )
Background:	<p>POR 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 this POR 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. This gene encodes 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 this 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.</p> <p>Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications.</p> <p>Alias Symbols: CPR, CYPOR, DKFZp686G04235, FLJ26468, P450R</p> <p>Protein Interaction Partner: UBC, CYP2C9, PGRMC1, STAT1, INSIG1, CYP3A4, CYP2E1, CYP2D6, CYP2C19, CYP2A6, CYP1A2, UBD, SUMO2, RABEPK, FANCC, CYB5A, CYP17A1, XRCC6, HMOX1,</p> <p>Protein Size: 680</p>
Molecular Weight:	77 kDa
Gene ID:	5447
NCBI Accession:	<a href="#">NM_000941</a> , <a href="#">NP_000932</a>
UniProt:	<a href="#">Q63HL4</a>
Pathways:	<a href="#">Regulation of Hormone Metabolic Process</a> , <a href="#">Regulation of Hormone Biosynthetic Process</a> , <a href="#">SARS-CoV-2 Protein Interactome</a>

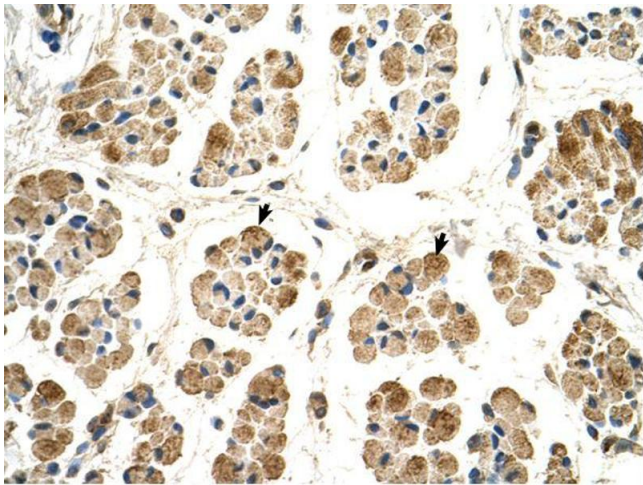
## Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 680 AA
Restrictions:	For Research Use only

## Handling

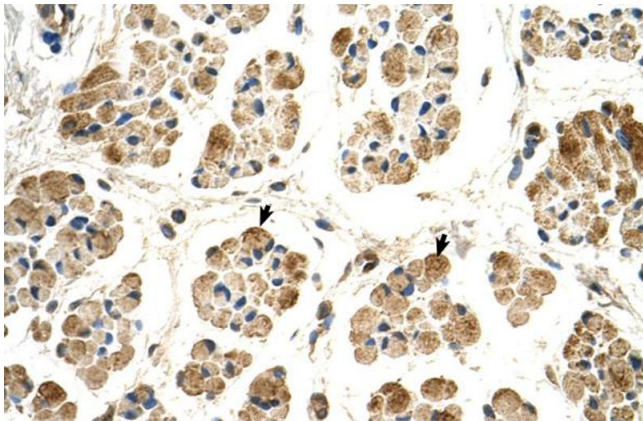
Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained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

## Images



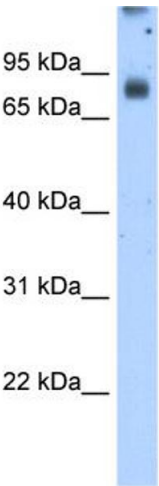
### Immunohistochemistry

**Image 1.**



### Immunohistochemistry

**Image 2.** Human Muscle



Western Blotting

**Image 3.** WB Suggested Antibody Titration: 2.5 ug/ml  
Positive Control: 293T