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Datasheet for ABIN2854935  
**anti-POR antibody (N-Term)**

4 Images

Overview

Quantity:	100 µL
Target:	POR
Binding Specificity:	N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This POR antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC)

Product Details

Immunogen:	Recombinant protein encompassing a sequence within the N-terminus region of human POR. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Characteristics:	Rabbit Polyclonal antibody to POR (P450 (cytochrome) oxidoreductase) POR antibody [N1N3]
Purification:	Purified by antigen-affinity chromatography.
Grade:	KO Validated

## Target Details

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Target:	POR
Alternative Name:	cytochrome p450 oxidoreductase ( <a href="#">POR Products</a> )
Background:	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.
Molecular Weight:	77 kDa
Gene ID:	5447
UniProt:	<a href="#">P16435</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

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Application Notes:	WB: 1:500-1:3000. ICC/IF: 1:100-1:1000. IHC-P: 1:100-1:1000. Optimal dilutions/concentrations should be determined by the researcher. Not tested in other applications.
Comment:	Positive Control: mouse lung , HeLa Validation: KO/KD
Restrictions:	For Research Use only

## Handling

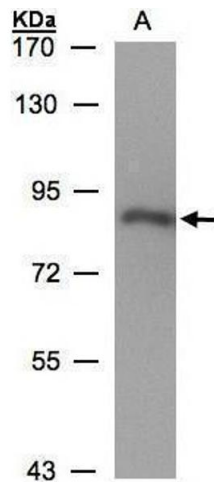
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Format:	Liquid
Concentration:	0.45 mg/mL
Buffer:	0.1M Tris-Glycine ( pH 7), 10 % Glycerol, 0.01 % Thimerosal
Preservative:	Thimerosal (Merthiolate)
Precaution of Use:	This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C, -20 °C

## Handling

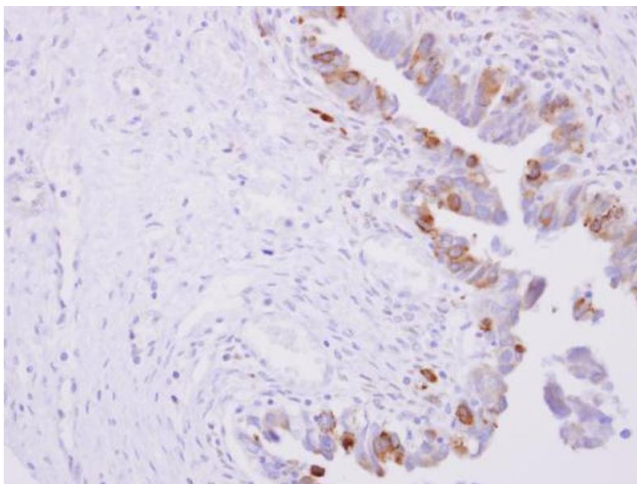
Storage Comment: Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.

## Images



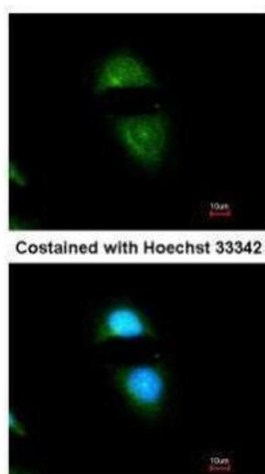
### Western Blotting

**Image 1.** WB Image Sample(30 ug whole cell lysate) A:HeLa S3, 7.5% SDS PAGE antibody diluted at 1:500



### Immunohistochemistry

**Image 2.** IHC-P Image POR antibody detects POR protein at cytoplasm on human ovarian carcinoma by immunohistochemical analysis. Sample: Paraffin-embedded ovarian carcinoma. POR antibody, dilution: 1:500.



### Immunofluorescence

**Image 3.** ICC/IF Image Immunofluorescence analysis of methanol-fixed HeLa, using Cytochrome P450 Reductase, antibody at 1:200 dilution.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN2854935.