

Datasheet for ABIN4952222

**anti-POR antibody**

5 Images

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## Overview

Quantity:	100 µg
Target:	POR
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This POR antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Flow Cytometry (FACS)

## Product Details

Immunogen:	Amino acids RNMARDVQNTFYDIVAELGAMEHAQAVDYIKKLMTK of human Cytochrome P450 Oxidoreductase were used as the immunogen for the POR antibody.
Isotype:	IgG
Purification:	Antigen affinity

## Target Details

Target:	POR
Alternative Name:	POR / CYPOR / Cytochrome P450 Oxidoreductase ( <a href="#">POR Products</a> )
Background:	POR is a membrane-bound enzyme required for electron transfer from NADPH to Cytochrome p450 in the endoplasmic reticulum of the eukaryotic cell. The gene encodes an endoplasmic reticulum membrane oxidoreductase with an FAD-binding domain and a flavodoxin-like domain.

## Target Details

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.

UniProt: [P16435](#)

Pathways: [Regulation of Hormone Metabolic Process](#), [Regulation of Hormone Biosynthetic Process](#), [SARS-CoV-2 Protein Interactome](#)

## Application Details

Application Notes: Optimal dilution of the POR antibody should be determined by the researcher.\. Western blot: 0.1-0.5 µg/mL,IHC (Paraffin): 0.5-1 µg/mL,FACS: 1-3 µg/10<sup>6</sup> cells

Restrictions: For Research Use only

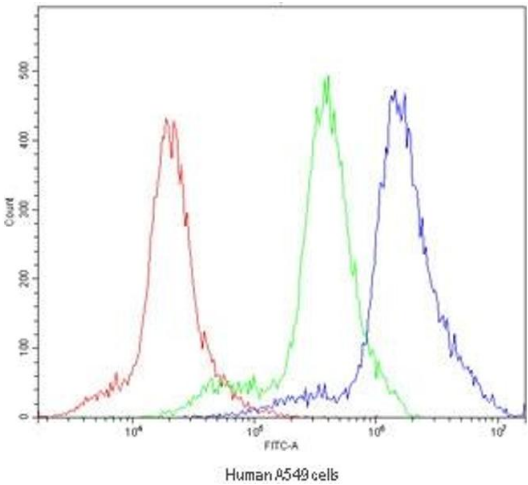
## Handling

Buffer: 0.5 mg/mL if reconstituted with 0.2 mL sterile DI water

Storage: -20 °C

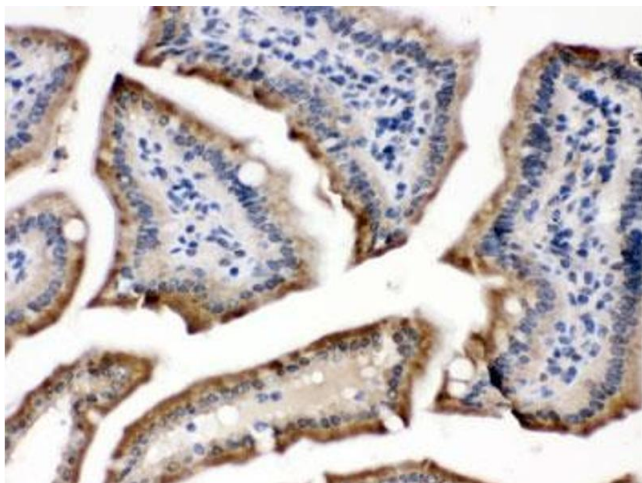
Storage Comment: After reconstitution, the POR antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.

## Images



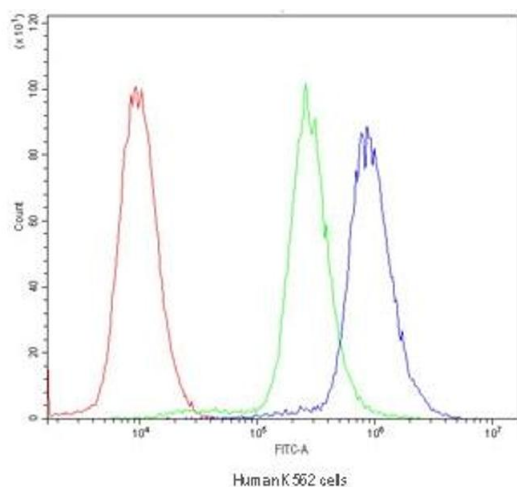
### Flow Cytometry

**Image 1.** Flow cytometry testing of human A549 cells with POR antibody at 1ug/10<sup>6</sup> cells (blocked with goat sera)



### Immunohistochemistry

**Image 2.** IHC testing of FFPE mouse intestine with POR antibody. HIER: Boil the paraffin sections in pH 6, 10mM citrate buffer for 20 minutes and allow to cool prior to staining.



### Flow Cytometry

**Image 3.** Flow cytometry testing of human K562 cells with POR antibody at 1ug/10<sup>6</sup> cells (blocked with goat sera)

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN4952222.