

Datasheet for ABIN3032123
anti-POR antibody (C-Term)

5 Images

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Overview

Quantity:	100 µg
Target:	POR
Binding Specificity:	C-Term
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunocytochemistry (ICC), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	An amino acid sequence from the C-terminus of human Cytochrome P450 Oxidoreductase (DYIKKLMTKGRYSLDVWS) was used as the immunogen for this CYPOR antibody.
Isotype:	IgG
Purification:	Antigen affinity

Target Details

Target:	POR
Alternative Name:	CYPOR (POR Products)
Background:	Cytochrome P450 Oxidoreductase (CYPOR), also known as Cytochrome P450 Reductase, is a membrane-bound enzyme required for electron transfer to cytochrome P450 in the endoplasmic reticulum of the eukaryotic cell from a FAD- and FMN-containing enzyme NADPH:

Target Details

cytochrome P450 reductase. By Southern blot analysis of DNA isolated from a panel of 8 independent human-rodent somatic cell hybrids, Shephard et al.(1989) determined that CYPOR is encoded by a single gene located on 7pter-q22. By in situ hybridization to metaphase chromosomes, they refined the localization to 7q11.2. Cytochrome P450 oxidoreductase is a flavoprotein that donates electrons to all microsomal P450 enzymes, including the steroidogenic enzymes P450c17 (CYP17A1), P450c21 (CYP21A2), and CYP51A1 (Miller, 1986).

UniProt:	P16435
Pathways:	Regulation of Hormone Metabolic Process , Regulation of Hormone Biosynthetic Process , SARS-CoV-2 Protein Interactome

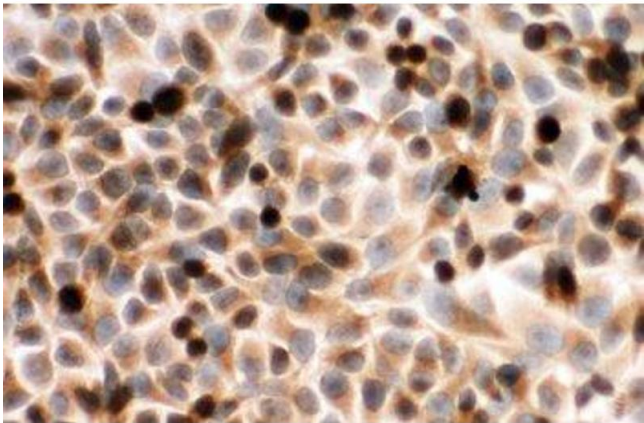
Application Details

Application Notes:	The stated application concentrations are suggested starting amounts. Titration of the CYPOR antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 0.5-1 µg/mL,IHC (Paraffin): 0.5-1 µg/mL,Immunocytochemistry: 0.5-1 µg/mL
Restrictions:	For Research Use only

Handling

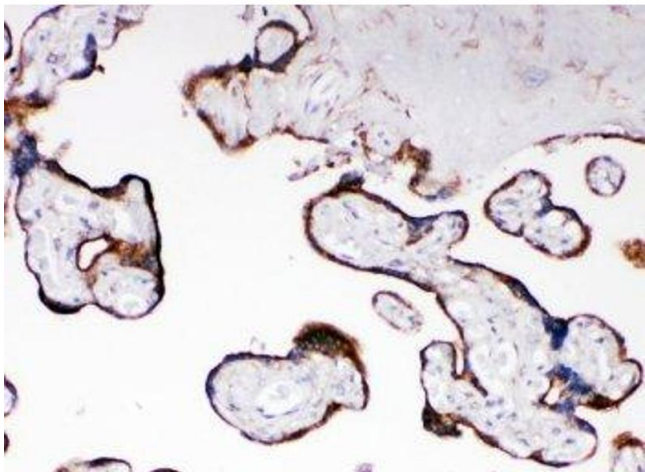
Buffer:	0.5 mg/mL if reconstituted with 0.2 mL sterile DI water
Storage:	-20 °C
Storage Comment:	After reconstitution, the CYPOR antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.

Images



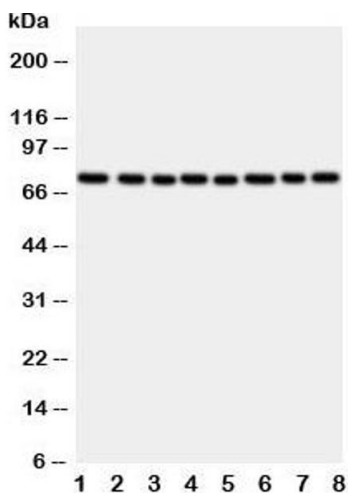
Immunocytochemistry

Image 1. ICC testing of CYPOR antibody and human placenta cells



Immunohistochemistry

Image 2. IHC-P: CYPOR antibody testing of human placenta tissue



Western Blotting

Image 3. Western blot testing of CYPOR antibody and rat samples: 1. ovary; 2. lung; 3. testis; 4. spleen; and human samples 5. A549; 6. HeLa; 7. SKOV; 8. MCF-7 cell lysate. Predicted/observed size ~77kD

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN3032123.