

Rabbit Cytochrome P450 Reductase Polyclonal Antibody | anti-POR antibody

Anti-Cytochrome P450 Reductase antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA45447	Rabbit	Human, Mouse, Rat	Immunocytochemistry, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

Cytochrome P450 Reductase; Polyclonal Antibody; Anti-Cytochrome P450 Reductase antibody; NADPH--cytochrome P450 reductase; P450(cytochrome) oxidoreductase; CPR antibody; CYPOR antibody; DKFZp686G04235 antibody; FLJ26468 antibody; NADPH Cytochrome P450 Reductase antibody; NADPH dependent cytochrome P450 reductase antibody; NADPH--cytochrome P450 reductase antibody; NCPR_HUMAN antibody; P450(cytochrome) oxidoreductase antibody; P450 Cytochrome Oxidoreductase antibody; P450R antibody; POR antibody; anti-POR antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized
Sequence Length	677
Applicable Applications for anti-POR antibody	ICC (Immunocytochemistry), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human Cytochrome P450 Reductase (659-677aa DYIKKLMTKGRYSLDVWS), different from the related rat and mouse sequences by one amino acid.
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES


ICC (Immunocytochemistry)

Anti-POR antibody, AAA45447, ICCICC: HELA Cell


IHC (Immunohistochemistry)

Anti-POR antibody, AAA45447, IHC(P)IHC(P): Human Placenta Tissue



WB (Western Blot)

Anti-POR antibody, AAA45447, Western blottingLane 1: Rat Ovary Tissue LysateLane 2: Rat Lung Tissue LysateLane 3: Rat Testis Tissue LysateLane 4: Rat Spleen Tissue LysateLane 5: A549 Cell LysateLane 6: HELA Cell LysateLane 7: SKOV Cell LysateLane 8: MCF-7 Cell Lysate

ADDITIONAL INFORMATION

Related Product Information for anti-POR antibody	Description: Rabbit IgG polyclonal antibody for NADPH--cytochrome P450 reductase(POR) detection. Tested with WB, IHC-P, ICC in Human, Mouse, Rat. Background: POR(Cytochrome P450 Oxidoreductase), 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: 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 cytochrome P450 reductase 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).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	2851393
NCBI GeneID	5447
UniProt Accession #	P16435; Q16455; Q197M5; Q8N181; Q9H3M8; Q9UDT3
Molecular Weight	76,690 Da
NCBI Official Full Name	NADPH--cytochrome P450 reductase
NCBI Official Synonym Full Names	P450 (cytochrome) oxidoreductase
NCBI Official Symbol	POR
NCBI Official Synonym Symbols	CPR; CYPOR; P450R
NCBI Protein Information	NADPH--cytochrome P450 reductase; NADPH-dependent cytochrome P450 reductase
UniProt Protein Name	NADPH--cytochrome P450 reductase
UniProt Gene Name	POR
UniProt Synonym Gene Names	CYPOR; CPR; P450R
UniProt Entry Name	NCPR_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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