

Mouse POR Monoclonal Antibody | anti-POR antibody

POR antibody

CATALOG # AAA107248	HOST Mouse	APPLICATIONS Western Blot, Immunohistochemistry, Immunofluorescence, Flow Cytometry, Functional Assay
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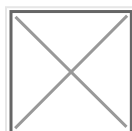
PRODUCT SYNONYMS

POR; Monoclonal Antibody; POR antibody; Monoclonal POR; Anti-POR; P450; CPR; CYPOR; DKFZp686G04235; FLJ26468; P450R; Cytochrome Oxidoreductase; P450; P-450; anti-POR antibody

PRODUCT SPECIFICATIONS

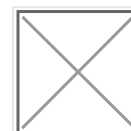
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Number	6C4
Purity/Purification	POR antibody was purified by affinity chromatography.
Form/Format	Supplied in PBS buffer, pH 7.3, containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration	500 ug-1 mg/ml (varies by lot)
Sequence Length	680
Applicable Applications for anti-POR antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Biological Significance	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.
Cross-Reactivity	Human
Immunogen	POR antibody was raised in mouse using a full length recombinant protein of human POR (NP_000932) produced in HEK293T cells, as the immunogen.
Preparation and Storage	Store at 4 degree C for short term storage. Aliquot and store at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.

IMAGES



IF (Immunofluorescence)

Immunofluorescent staining of COS7 cells transiently transfected with recombinant POR protein using POR antibody



IHC (Immunohistochemistry)

Immunohistochemical analysis of POR protein in paraffin embedded Human colon tissue using POR antibody



WB (Western Blot)

Western Blot analysis of HEK293T cell lysates (5 ug) transfected with either recombinant POR protein (Right) or empty vector (Left) detected with POR antibody

ADDITIONAL INFORMATION

Related Product Information for anti-POR antibody	Mouse monoclonal POR antibody
Product Categories/Family for anti-POR antibody	Nutrition & Metabolism

NCBI AND UNIPROT INFORMATION

NCBI GI #	127139033
NCBI GeneID	5447
NCBI Accession #	NP_000932
NCBI GenBank Nucleotide #	NM_000941.2
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
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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Online datasheet: <https://stage.aaabiotech.com/monoclonal/por-antibody-clone-6c4-western-blot-immunohistochemistry-immunofluorescence-flow-cytometry-elisa/107248>