

Mouse POR Monoclonal Antibody | anti-POR antibody

POR antibody

CATALOG # AAA106978	HOST Mouse	APPLICATIONS Western Blot, Immunohistochemistry, Immunofluorescence
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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	5B6
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	338
Applicable Applications for anti-POR antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence)
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 protein expressed in 293T cell transfected with human POR expression vector 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



IHC (Immunohistochemisry)

Immunohistochemical analysis of POR protein in paraffin embedded Adenocarcinoma of 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



IF (Immunofluorescence)

Immunofluorescent staining of COS7 cells transiently transfected with recombinant POR protein using 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 #	313006518
UniProt Accession #	E4ZF46
Molecular Weight	35,902 Da
NCBI Official Full Name	Por
UniProt Protein Name	Por protein
UniProt Gene Name	por
UniProt Entry Name	E4ZF46_NEILO

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/monoclonal/por-antibody-clone-5b6-western-blot-immunohistochemistry-immunofluorescence-elisa/106978>