

## Mouse POR Monoclonal Antibody | anti-POR antibody

POR antibody

| CATALOG # | HOST  | APPLICATIONS                                                                             |
|-----------|-------|------------------------------------------------------------------------------------------|
| AAA106609 | Mouse | Western Blot, Immunohistochemistry, Immunofluorescence, Flow Cytometry, Functional Assay |

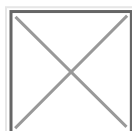
### PRODUCT SYNONYMS

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

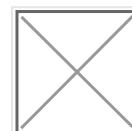
|                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-----------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                          | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Clonality                                     | Monoclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Isotype                                       | IgG2a                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Clone Number                                  | 5B3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| 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), 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 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



#### IF (Immunofluorescence)

Immunofluorescent staining of endogenous POR protein in HT29 cells using POR antibody

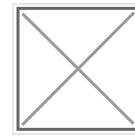


#### IHC (Immunohistochemistry)

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

**FCM/FACS (Flow Cytometry)**

Flow Cytometric analysis of HEK293T cells transfected with either recombinant POR protein (red) or empty vector (blue) stained using POR antibody

**ADDITIONAL INFORMATION**

|                                                   |                                            |
|---------------------------------------------------|--------------------------------------------|
| Related Product Information for anti-POR antibody | Mouse monoclonal POR antibody              |
| Product Categories/Family for anti-POR antibody   | <a href="#">Nutrition &amp; Metabolism</a> |

**NCBI AND UNIPROT INFORMATION**

|                         |                        |
|-------------------------|------------------------|
| NCBI GI #               | 313006518              |
| UniProt Accession #     | <a href="#">E4ZF46</a> |
| Molecular Weight        | 35,902 Da              |
| NCBI Official Full Name | Por                    |
| UniProt Protein Name    | Por protein            |
| UniProt Gene Name       | <b>por</b>             |
| 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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/por-antibody-clone-5b3-western-blot-immunohistochemistry-immunofluorescence-flow-cytometry-elisa/106609>