

# Anti-Cytochrome P450 Reductase Monoclonal Antibody

Catalog # ABO14655

## Product Information

|                          |                                                                                                                                                           |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Application</b>       | WB, IHC, IF, ICC, FC                                                                                                                                      |
| <b>Primary Accession</b> | <a href="#">P16435</a>                                                                                                                                    |
| <b>Host</b>              | Rabbit                                                                                                                                                    |
| <b>Isotype</b>           | Rabbit IgG                                                                                                                                                |
| <b>Reactivity</b>        | Rat, Human, Mouse                                                                                                                                         |
| <b>Clonality</b>         | Monoclonal                                                                                                                                                |
| <b>Format</b>            | Liquid                                                                                                                                                    |
| <b>Description</b>       | Anti-Cytochrome P450 Reductase Monoclonal Antibody . Tested in WB, IHC, ICC/IF, Flow Cytometry applications. This antibody reacts with Human, Mouse, Rat. |

## Additional Information

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|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene ID</b>             | 5447                                                                                                                                                                                                                                                  |
| <b>Other Names</b>         | NADPH--cytochrome P450 reductase {ECO:0000255   HAMAP-Rule:MF_03212}, CPR {ECO:0000255   HAMAP-Rule:MF_03212}, P450R {ECO:0000255   HAMAP-Rule:MF_03212}, 1.6.2.4 {ECO:0000255   HAMAP-Rule:MF_03212}, POR {ECO:0000255   HAMAP-Rule:MF_03212}, CYPOR |
| <b>Calculated MW</b>       | 76690                                                                                                                                                                                                                                                 |
| <b>Application Details</b> | WB 1:1000-1:5000<br>IHC 1:50-1:200<br>ICC/IF 1:50-1:200<br>FC 1:20                                                                                                                                                                                    |
| <b>Source</b>              | Eukaryota                                                                                                                                                                                                                                             |
| <b>Contents</b>            | Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.                                                                                                                                   |
| <b>Clone Names</b>         | Clone: AEFH-16                                                                                                                                                                                                                                        |
| <b>Immunogen</b>           | A synthesized peptide derived from human Cytochrome P450 Reductase This enzyme is required for electron transfer from NADP to cytochrome P450 in microsomes. It can also provide electron transfer to heme oxygenase and cytochrome B5.               |
| <b>Purification</b>        | Affinity-chromatography                                                                                                                                                                                                                               |
| <b>Storage</b>             | Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.                                                                                                            |

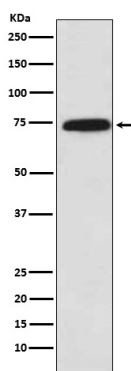
## Protein Information

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|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Name</b>              | POR {ECO:0000255   HAMAP-Rule:MF_03212}                                                                                                                                                           |
| <b>Synonyms</b>          | CYPOR                                                                                                                                                                                             |
| <b>Function</b>          | This enzyme is required for electron transfer from NADP to cytochrome P450 in microsomes. It can also provide electron transfer to heme oxygenase and cytochrome B5.                              |
| <b>Cellular Location</b> | Endoplasmic reticulum membrane {ECO:0000255   HAMAP-Rule:MF_03212};<br>Single-pass membrane protein {ECO:0000255   HAMAP-Rule:MF_03212};<br>Cytoplasmic side {ECO:0000255   HAMAP- Rule:MF_03212} |

## Images

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Western blot analysis of Cytochrome P450 Reductase expression in A431 cell lysate.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.