

CYPOR / POR Antibody (clone 6C4)
Mouse Monoclonal Antibody
Catalog # ALS16574**Specification**

CYPOR / POR Antibody (clone 6C4) - Product Information

Application	IHC, IF, WB, FC
Primary Accession	P16435
Other Accession	5447
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	76690

CYPOR / POR Antibody (clone 6C4) - Additional Information**Gene ID** 5447**Other Names**

POR, CPR, CYPOR, p450R

Target/Specificity

Human CYPOR / POR

Reconstitution & Storage

PBS, pH 7.3, 1% BSA, 50% glycerol, 0.02% sodium azide. Store at -20°C. Minimize freezing and thawing.

Precautions

CYPOR / POR Antibody (clone 6C4) is for research use only and not for use in diagnostic or therapeutic procedures.

CYPOR / POR Antibody (clone 6C4) - Protein Information**Name** POR {ECO:0000255|HAMAP-Rule:MF_03212}**Synonyms** CYPOR**Function**

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.

Cellular Location

Endoplasmic reticulum membrane {ECO:0000255|HAMAP-Rule:MF_03212}; Single-pass membrane protein {ECO:0000255|HAMAP-Rule:MF_03212}; Cytoplasmic side {ECO:0000255|HAMAP-Rule:MF_03212}

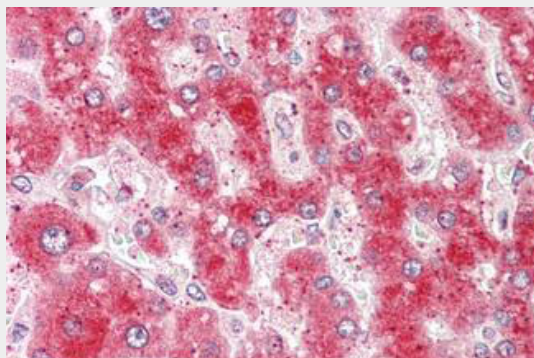
Volume
50 μ l

CYPOR / POR Antibody (clone 6C4) - Protocols

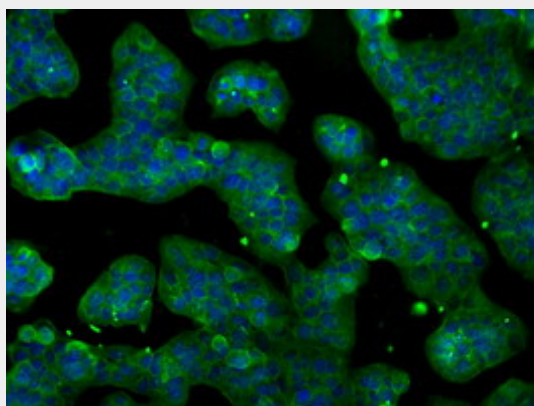
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

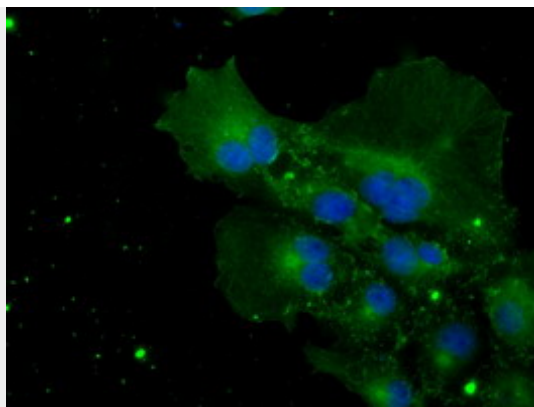
CYPOR / POR Antibody (clone 6C4) - Images



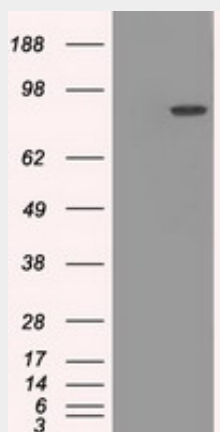
Anti-CYPOR / POR antibody IHC staining of human liver.



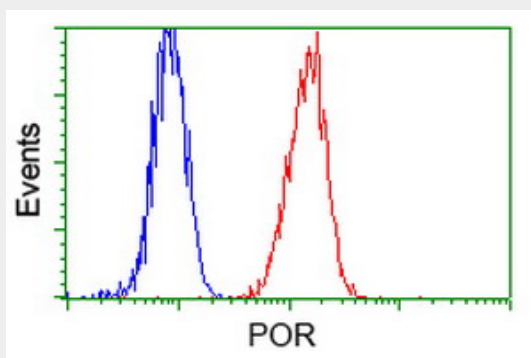
Immunofluorescent staining of HeLa cells using anti-POR mouse monoclonal antibody.



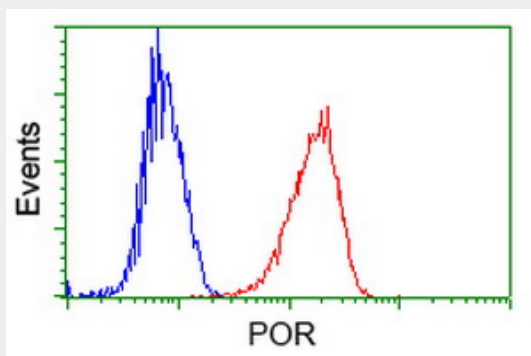
Anti-POR mouse monoclonal antibody immunofluorescent staining of COS7 cells transiently...



HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY POR...



Flow cytometry of HeLa cells, using anti-POR antibody (Red), compared to a nonspecific negative...



Flow cytometry of Jurkat cells, using anti-POR antibody (Red), compared to a nonspecific...

CYPOR / POR Antibody (clone 6C4) - Background

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.

CYPOR / POR Antibody (clone 6C4) - References

Shephard E.A., et al. Arch. Biochem. Biophys. 294:168-172(1992).
Czerwinski M., et al. Submitted (APR-2000) to the EMBL/GenBank/DDBJ databases.
Murakami H.O., et al. Submitted (NOV-2000) to the EMBL/GenBank/DDBJ databases.
Hillier L.W., et al. Nature 424:157-164(2003).
Haniu M., et al. Biochemistry 28:8639-8645(1989).