

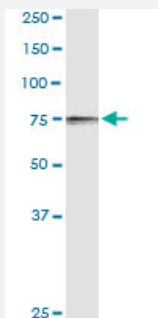
MaxPab®

POR purified MaxPab rabbit polyclonal antibody (D01P)

Catalog # H00005447-D01P

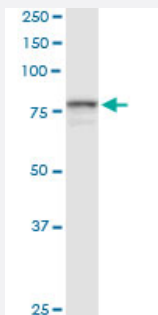
Size 100 ug

Applications



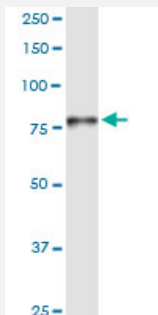
Western Blot (Tissue lysate)

POR MaxPab rabbit polyclonal antibody. Western Blot analysis of POR expression in mouse liver.



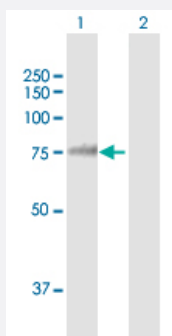
Western Blot (Tissue lysate)

POR MaxPab rabbit polyclonal antibody. Western Blot analysis of POR expression in rat liver.



Western Blot (Tissue lysate)

POR MaxPab rabbit polyclonal antibody. Western Blot analysis of POR expression in human liver.

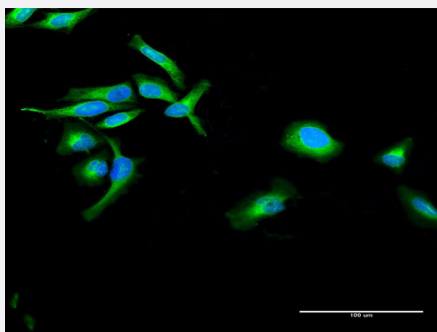


Western Blot (Transfected lysate)

Western Blot analysis of POR expression in transfected 293T cell line ([H00005447-T01](#)) by POR MaxPab polyclonal antibody.

Lane 1: POR transfected lysate(77.10 KDa).

Lane 2: Non-transfected lysate.



Immunofluorescence

Immunofluorescence of purified MaxPab antibody to POR on HeLa cell.
[antibody concentration 20 ug/ml]

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human POR protein.
Immunogen	POR (AAH34277.1, 1 a.a. ~ 680 a.a) full-length human protein.
Sequence	MINMGDSHVDTSSTVSEAVAEVSLFSMTDMILFSLVGLLTYWFLFRKKKEEVPEFTKIQTLTSSV RESSFVEKMKKTGRNIVFYGSQTGTAEFANRLSKDAHRYGMRGMSADPEEYDLADLSSLPEID NALVVFCMATYGECDPTDNAQDFYDWLQETDVLDSGVKFAVFGNGKTYEHFNAMGKYVDKRL EQLGAQRIFELGLGDDDGNEEDFITWREQFWLAVCEHFGEATGEESSIRQYELVVHTDIDAAK VYMGEMLKLSYENQKPPFDAKNPFLAAVTTNRKLNQGTERHLMHLELDISDSKIRYESGDHVAV YPANDSALVNQLGKILGADLDVMSLNNLDEESNKKHPPCPTSYRTALTYLDITNPRTNVLVEL AQYASEPSEQELLRKMASSSGEGKELYLSWVVEARRHILAILQDCPSLRPPIDHLCCELLPRLQARY YSIASSSKVHPNSVHICAVVVEYETKAGRINKGVATNWLRAKEPVGENGGRALVPMFVRKSQFRL PFKATTPVIMVPGTGVAPFIGFIQERAWLRQQGKEVGETLLYGCRRSDEDLYREELAQFHRD GALTQLNVAFSREQSHKVYVQHLLKQDREHLWKLIEGGAHIYVCGDARNMARDVQNTFYDVAEL GAMEHAQAVDYIKKLMTKGRYSLDVWS
Host	Rabbit
Reactivity	Human, Mouse, Rat
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Tissue lysate)

POR MaxPab rabbit polyclonal antibody. Western Blot analysis of POR expression in mouse liver.

[Protocol Download](#)

- Western Blot (Tissue lysate)

POR MaxPab rabbit polyclonal antibody. Western Blot analysis of POR expression in rat liver.

[Protocol Download](#)

- Western Blot (Tissue lysate)

POR MaxPab rabbit polyclonal antibody. Western Blot analysis of POR expression in human liver.

[Protocol Download](#)

- Western Blot (Transfected lysate)

Western Blot analysis of POR expression in transfected 293T cell line ([H00005447-T01](#)) by POR MaxPab polyclonal antibody.

Lane 1: POR transfected lysate(77.10 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Immunofluorescence

Immunofluorescence of purified MaxPab antibody to POR on HeLa cell. [antibody concentration 20 ug/ml]

Gene Info — POR

Entrez GeneID

[5447](#)

GeneBank Accession#

[BC034277.1](#)

Protein Accession#

[AAH34277.1](#)

Gene Name

POR

Gene Alias

CPR, CYPOR, DKFZp686G04235, FLJ26468, P450R

Gene Description

P450 (cytochrome) oxidoreductase

Omim ID

[124015 201750](#)

Gene Ontology

[Hyperlink](#)

Gene Summary

This gene encodes 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 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. [provided by RefSeq]

Other Designations

NADPH-dependent cytochrome P450 reductase|cytochrome P450 reductase

Publication Reference

- [Inhibition of CYP3A4 by 6',7'-dihydroxybergamottin in human CYP3A4 over-expressed hepG2 cells.](#)

Araki N, Tsuruoka S, Hasegawa G, Yanagihara H, Omasa T, Enosawa S, Yamazoe Y, Fujimura A.

The Journal of Pharmacy and Pharmacology 2012 Dec; 64(12):1715.

Application: WB-Ce, Human, HepG2 cells

Disease

- [Adrenal hyperplasia](#)
- [Asperger Syndrome](#)
- [Autistic Disorder](#)
- [Bone Diseases](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Kidney Failure](#)
- [Social Perception](#)