

POR Polyclonal Antibody

Catalog No: #31450



Package Size: #31450-1 50ul #31450-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

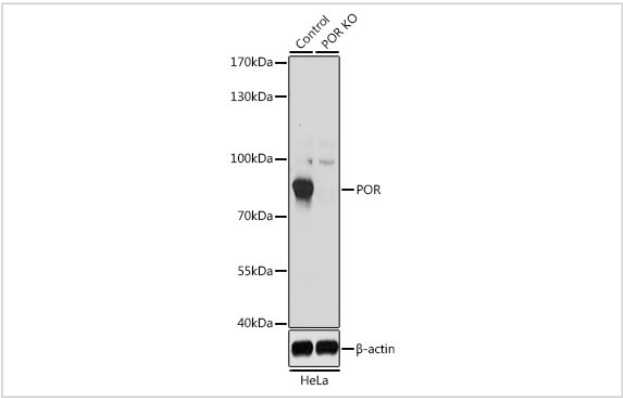
Description

Product Name	POR Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Affinity purification
Applications	WB,IHC,IF
Species Reactivity	Human,Mouse,Rat
Immunogen Description	Recombinant fusion protein of human POR (NP_000932.3).
Other Names	POR; CPR; CYPOR; P450R; cytochrome p450 oxidoreductase
Accession No.	Swiss-Prot#:P16435NCBI Gene ID:5447
Uniprot	P16435
GeneID	5447;
Calculated MW	77kDa
Formulation	Avoid freeze / thaw cycles. Buffer: PBS with 50% glycerol, pH7.4.
Storage	Store at -20°C

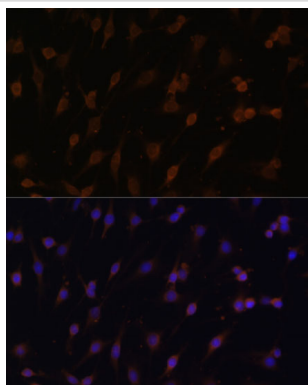
Application Details

WB 1:500 - 1:2000IHC 1:50 - 1:100IF 1:50 - 1:200

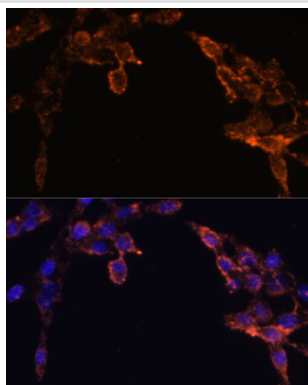
Images



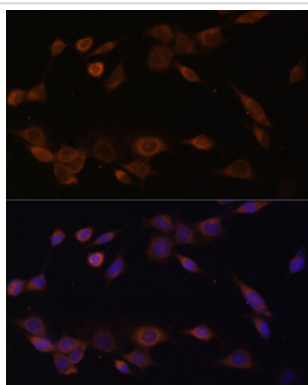
Western blot analysis of extracts from normal (control) and POR knockout (KO) HeLa cells, using POR at 1:1000 dilution.



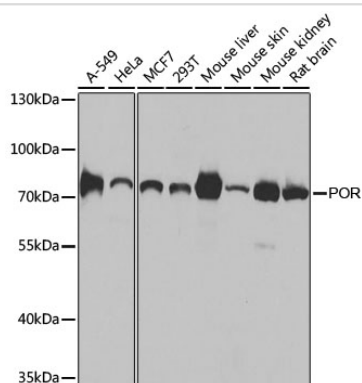
Immunofluorescence analysis of C6 cells using POR Polyclonal at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



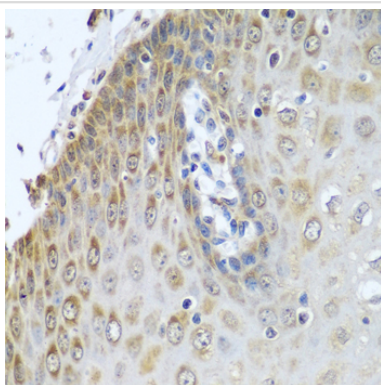
Immunofluorescence analysis of HeLa cells using POR Polyclonal at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



Immunofluorescence analysis of NIH-3T3 cells using POR Polyclonal at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



Western blot analysis of extracts of various cell lines, using POR at 1:1000 dilution.



Immunohistochemistry of paraffin-embedded human esophagus using POR at dilution of 1:100 (40x lens).

Background

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.

Note: This product is for in vitro research use only