

## (KO Validated) POR Polyclonal Antibody

Catalog No. E-AB-62876

*Note:* Centrifuge before opening to ensure complete recovery of vial contents.

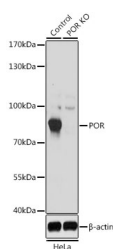
### Description

<b>Reactivity</b>	Human, Mouse, Rat
<b>Immunogen</b>	Recombinant fusion protein of human POR (NP_000932.3).
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Purification</b>	Affinity purification
<b>Conjugation</b>	Unconjugated
<b>Buffer</b>	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

### Applications Recommended Dilution

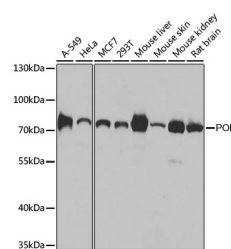
<b>WB</b>	1:500-1:2000
<b>IHC</b>	1:50-1:100
<b>IF</b>	1:50-1:200

### Data

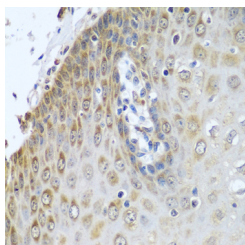


Western blot analysis of extracts from normal (control) and POR knockout (KO) HeLa cells using POR Polyclonal Antibody at dilution of 1:1000.

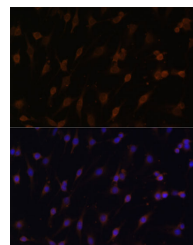
**Observed Mw:77kDa**  
**Calculated Mw:76kDa**



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

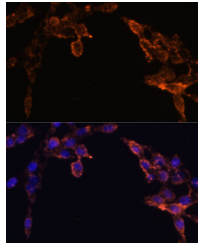


Immunohistochemistry of paraffin-embedded Human esophagus using POR Polyclonal Antibody at dilution of 1:100 (40x lens).

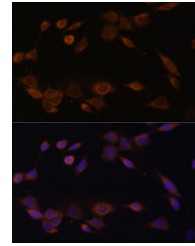


Immunofluorescence analysis of C6 cells using POR Polyclonal Antibody at dilution of 1:100 (40x lens).  
Blue: DAPI for nuclear staining.

### For Research Use Only



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



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

## Preparation & Storage

**Storage** Store at -20°C. Avoid freeze / thaw cycles.

## 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.

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