

Product datasheet for TA500611

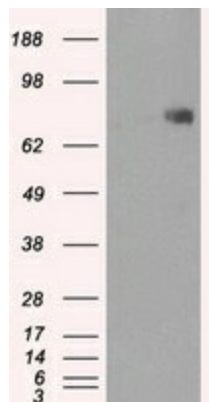
Cytochrome P450 Reductase (POR) Mouse Monoclonal Antibody [Clone ID: OTI1B11]

Product data:

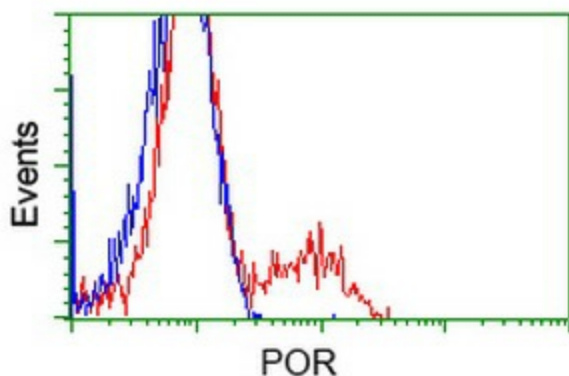
Product Type:	Primary Antibodies
Clone Name:	OTI1B11
Applications:	FC, IF, IHC, WB
Recommend Dilution:	WB 1:2000, IHC 1:50, IF 1:50~100, FLOW 1:100
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human POR (NP_000932) produced in HEK293T cell.
Formulation:	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	0.9 mg/ml
Purification:	Purified from mouse ascites fluids by affinity chromatography
Predicted Protein Size:	76.9 kDa
Gene Name:	cytochrome p450 oxidoreductase
Database Link:	NP_000932 Entrez Gene 5447 Human
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. [provided by RefSeq]
Synonyms:	CPR; CYPOR; P450R
Protein Families:	Druggable Genome, P450, Transmembrane



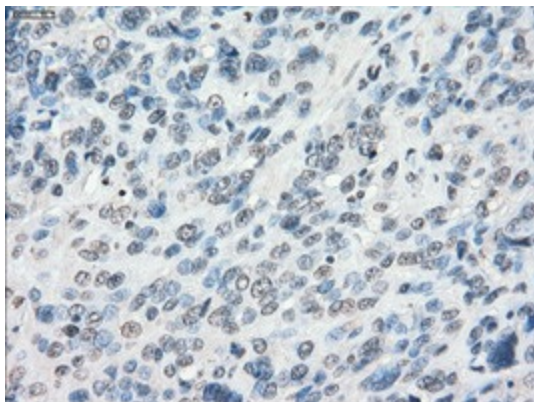
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Product images:

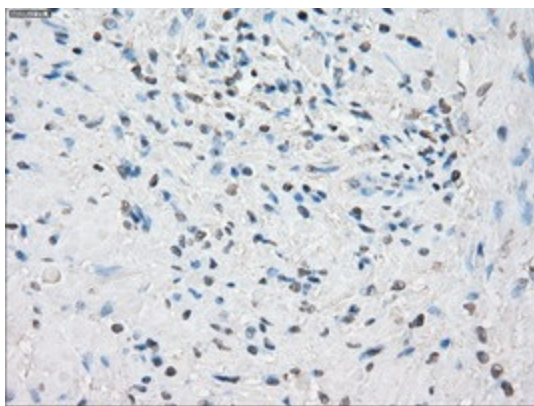
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY POR (RC202172, Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-POR. Positive lysates LY424436 (100ug) and LC424436 (20ug) can be purchased separately from OriGene.



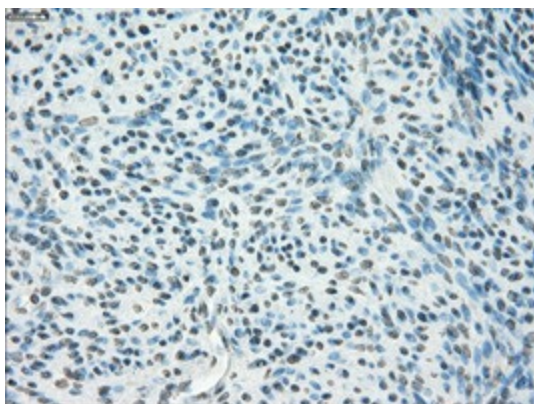
HEK293T cells transfected with either RC202172 overexpress plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-POR antibody (TA500611), and then analyzed by flow cytometry.



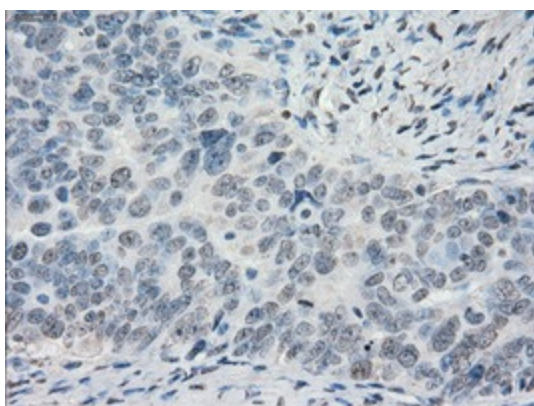
Immunohistochemical staining of paraffin-embedded Carcinoma of Human bladder tissue using anti-POR mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA500611)



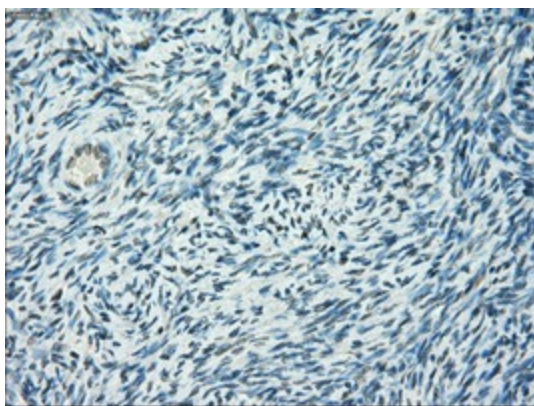
Immunohistochemical staining of paraffin-embedded Human prostate tissue within the normal limits using anti-POR mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA500611)



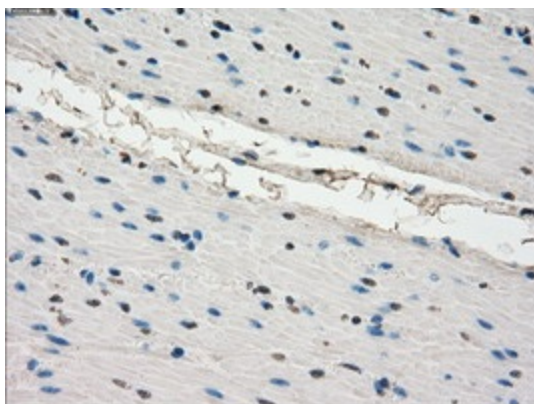
Immunohistochemical staining of paraffin-embedded Human endometrium tissue within the normal limits using anti-POR mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA500611)



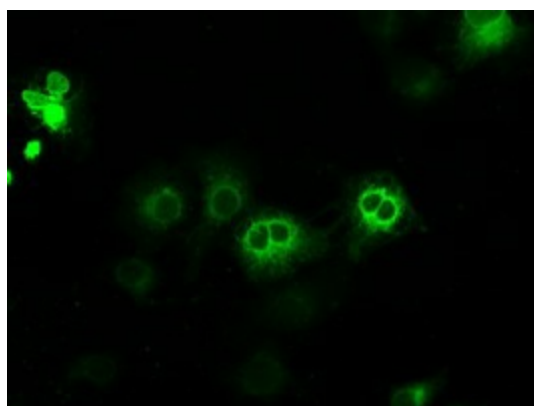
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human ovary tissue using anti-POR mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA500611)



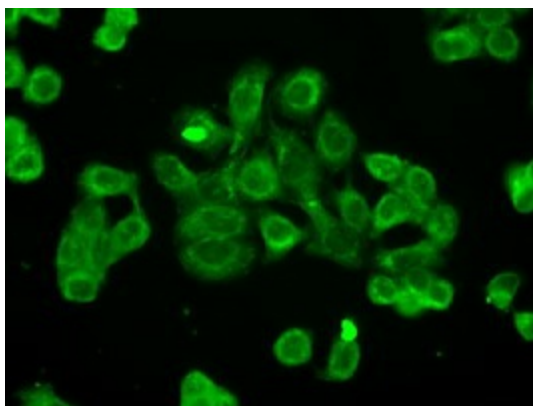
Immunohistochemical staining of paraffin-embedded Human Ovary tissue within the normal limits using anti-POR mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA500611)



Immunohistochemical staining of paraffin-embedded Human colon tissue within the normal limits using anti-POR mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA500611)



Anti-POR mouse monoclonal antibody (TA500611) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY POR (RC202172).



Immunofluorescent staining of HT29 cells using anti-POR mouse monoclonal antibody (TA500611).