

Cytochrome P450 Reductase Polyclonal Antibody

Catalog NumberPA5-13447

Product data sheet

Details		Tested Applications		Dilution *	
Size	400 µL	Immunohistochemistry (Paraffin) (IHC (P))		1:50-1:100	
Host/Isotope	Rabbit / IgG				
Class	Polyclonal	Western Blot (WB)		1:1,000	
Type	Antibody				
Immunogen	KLH conjugated synthetic peptide between 462-488 amino acids from the central region of human P450R				
Conjugate	Unconjugated				
Form	Liquid				
Concentration	Lot-specific				
Storage Conditions	-20° C, Avoid Freeze/Thaw Cycles				

* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.

Background/Target Information

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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