

Cytochrome P450 Reductase Conjugated Antibody

Catalog No: #C49817



Package Size: #C49817-AF350 100ul #C49817-AF405 100ul #C49817-AF488 100ul
 #C49817-AF555 100ul #C49817-AF594 100ul #C49817-AF647 100ul
 #C49817-AF680 100ul #C49817-AF750 100ul #C49817-Biotin 100ul

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 Support: tech@signalwayantibody.com

Description

Product Name	Cytochrome P450 Reductase Conjugated Antibody
Host Species	Rabbit
Clonality	Monoclonal
Species Reactivity	Hu, Ms, Rt
Immunogen Description	Recombinant protein
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	CPR antibody CYPOR antibody Cytochrome p450 oxidoreductase antibody DKFZp686G04235 antibody FLJ26468 antibody NADPH Cytochrome P450 Reductase antibody NADPH dependent cytochrome P450 reductase antibody NADPH--cytochrome P450 reductase antibody NCPR_HUMAN antibody P450 (cytochrome) oxidoreductase antibody P450 Cytochrome Oxidoreductase antibody P450R antibody por antibody
Accession No.	Swiss-Prot#:P16435
Uniprot	P16435
GeneID	5447;
Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
Calculated MW	77 kDa
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°C in dark for 6 months

Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

Background

P450 enzymes constitute a family of monooxygenase enzymes that are involved in the metabolism of a wide array of endogenous and xenobiotic compounds. Several P450 enzymes have been classified by sequence similarities as members of the CYP1A and CYP2A subfamilies. CYPOR, also known as cytochrome P450 reductase and NADPH cytochrome P450 reductase, is a microsomal enzyme responsible for the transfer of electrons from NADPH to cytochrome P450 enzymes during the P450 catalytic cycle. CYPOR is localized to the endoplasmic reticulum, where it is also able to transfer electrons to heme oxygenase and cytochrome b5. CYPOR is structurally related to two separate flavoprotein families, ferredoxin nucleotide reductase (FNR) and flavodoxin. Electron transfer of CYPOR requires the binding of two flavin cofactors, FAD and FMN, to the FNR and flavodoxin domains, respectively.

Note: This product is for in vitro research use only