

CYP27A1 Conjugated Antibody

Catalog No: #C49968



Package Size: #C49968-AF350 100ul #C49968-AF405 100ul #C49968-AF488 100ul
 #C49968-AF555 100ul #C49968-AF594 100ul #C49968-AF647 100ul
 #C49968-AF680 100ul #C49968-AF750 100ul #C49968-Biotin 100ul

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

Description

Product Name	CYP27A1 Conjugated Antibody
Host Species	Rabbit
Clonality	Monoclonal
Species Reactivity	Hu, Ms, Rt
Immunogen Description	Recombinant protein corresponding to human CYP27A1 300-500aa.
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	12-alpha-triol 27-hydroxylase antibody 5-beta-cholestane-3-alpha antibody 5-beta-cholestane-3-alpha, 7-alpha, 12-alpha-triol 26-hydroxylase antibody 5-beta-cholestane-3-alpha, 7-alpha, 12-alpha-triol 27-hydroxylase antibody 5-beta-cholestane-3-alpha,7-alpha,12-alpha-triol 27-hydroxylase antibody 7-alpha antibody Cholestanetriol 26 monooxygenase antibody CP27 antibody CP27A_HUMAN antibody CTX antibody CYP antibody CYP27 antibody CYP27A1 antibody Cytochrome P 450C27/25 antibody Cytochrome P-450C27/25 antibody Cytochrome P450 27 antibody Cytochrome P450 27 mitochondrial antibody Cytochrome P450 family 27 subfamily A member 1 antibody Cytochrome P450 family 27 subfamily A polypeptide 1 antibody Cytochrome P450 subfamily XXVIIA (steroid 27-hydroxylase cerebrotendinous xanthomatosis) polypeptide 1 antibody mitochondrial antibody Sterol 26 hydroxylase antibody Sterol 26 hydroxylase mitochondrial antibody Sterol 26-hydroxylase antibody Sterol 27 hydroxylase antibody Sterol 27-hydroxylase antibody Vitamin D(3) 25 hydroxylase antibody Vitamin D(3) 25-hydroxylase antibody
Accession No.	Swiss-Prot#:Q02318
Uniprot	Q02318
GeneID	1593;
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	60 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. P450 enzymes can be classified, based on their sequence similarities, into distinct subfamilies, which include CYP1A and CYP2A. Other P450 family members include CYP19, also designated aromatase (P450arom), which catalyzes the conversion of C19 steroids to estrogens in various tissues, including placenta, gonads, adipose tissue, skin and brain. CYP19 expression is controlled by hormonally regulated promoters in different tissues and increased aromatase activity is associated with familial gynecomastia. Also, a polymorphic allele of CYP19 (repeat (TTTA)¹²) is present in a majority of breast cancer patients. P450 cholesterol 7 α -hydroxylase, CYP7A1, is the rate limiting enzyme of bile acid synthesis in the liver, and its expression is mediated by the bile acid receptor FXR. CYP27A1 catalyzes vitamin D3 25-hydroxylation and is localized to the mitochondria in kidney and liver.

Note: This product is for in vitro research use only