

# Cytochrome P450 17A1 Conjugated Monoclonal Antibody

Catalog No: #C27186

Orders: [order@signalwayantibody.com](mailto:order@signalwayantibody.com)Support: [tech@signalwayantibody.com](mailto:tech@signalwayantibody.com)

Package Size: #C27186-AF350 100ul #C27186-AF405 100ul #C27186-AF488 100ul

#C27186-AF555 100ul #C27186-AF594 100ul #C27186-AF647 100ul

#C27186-AF680 100ul #C27186-AF750 100ul #C27186-Biotin 100ul

## Description

Product Name	Cytochrome P450 17A1 Conjugated Monoclonal Antibody
Host Species	Mouse
Clonality	Monoclonal
Specificity	This antibody detects endogenous levels of CYP17A1 and does not cross-react with related proteins.
Immunogen Description	Purified recombinant human CYP17A1 protein fragments expressed in E.coli.
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	20 lyase; CP17A_HUMAN; CPT7; CYP17; CYP17A1; CYPXVII; Cytochrome P450 17A1; Cytochrome P450 family 17; Cytochrome P450 family 17 subfamily A polypeptide 1; Cytochrome p450 subfamily XVII (steroid 17 alpha hydroxylase) adrenal hyperplasia;
Accession No.	Swiss-Prot#: P05093NCBI Gene ID:1586
Uniprot	P05093
GeneID	1586;
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
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

## Background

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Conversion of pregnenolone and progesterone to their 17-alpha-hydroxylated products and subsequently to dehydroepiandrosterone (DHEA) and androstenedione. Catalyzes both the 17-alpha-hydroxylation and the 17,20-lyase reaction. Involved in sexual development during fetal life and at puberty.

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Note: This product is for in vitro research use only