

Anti-Cytochrome P450 17A1 Antibody (3S328)

Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse,Rat
Molecular Weight:	Theoretical: 57 kDa. Actual: 55 kDa.
Clone:	3S328
Purification:	Protein A purified

Applications

Verified Activity:	25 µg total protein per lane of various lysates (see on figure) probed with Cytochrome P450 17A1 monoclonal antibody, unconjugated (TMAB-04924) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r. T. for 60 min.
Application:	WB,ICC/IF,FCM
Recommended	WB: 1:500-2000; ICC/IF: 1:50-200; FCM: 1:50-100

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	A synthesized peptide: human Cytochrome P450 17A1
Antigen Species:	Human
Gene ID:	1586
Uniprot ID:	P05093

Research Background

Cytochrome P450 17A1 (CYP17A1) belongs to the cytochrome P450 family; it plays a role in the conversion of pregnenolone and progesterone into their 17-alpha-hydroxylated products and subsequently to dehydroepiandrosterone (DHEA) and androstenedione. CYP17A1 also catalyzes both the 17-alpha-hydroxylation and the 17,20-lyase reaction. CYP17A1 is involved in sexual development during fetal life and at puberty. Defects in CYP17A1 are the cause of adrenal hyperplasia type 5 (AH5). AH5 is a form of congenital adrenal hyperplasia, a common recessive disease due to defective synthesis of cortisol.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481