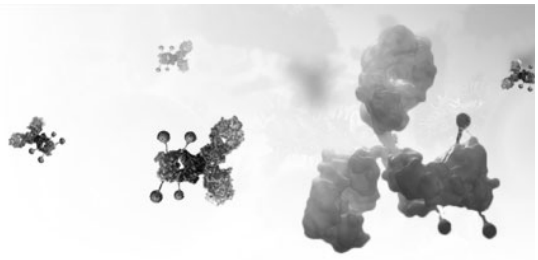

Anti-CYP17A1 monoclonal antibody, clone 6H21 (DCABH-833)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Mouse monoclonal to Cytochrome P450 17A1
Antigen Description	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.
Immunogen	Recombinant full length Human Cytochrome P450 17A1 produced in HEK293T cells (NP_000093).
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human
Clone	6H21
Purity	Protein G purified
Purification	This antibody was purified from Mouse ascites fluid by affinity chromatography.
Conjugate	Unconjugated
Applications	WB
Positive Control	HEK293T cell lysate transfected with pCMV6-ENTRY Cytochrome P450 17A1 cDNA.
Format	Liquid
Size	100 µl

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Buffer	pH: 7.30; Preservative: 0.02% Sodium azide; Constituents: 48% PBS, 1% BSA, 50% Glycerol
Preservative	0.02% Sodium Azide
Storage	store at -20°C. Avoid repeated freeze / thaw cycles.
Ship	Shipped at 4°C.

GENE INFORMATION

Gene Name	CYP17A1 cytochrome P450, family 17, subfamily A, polypeptide 1 [Homo sapiens]
Official Symbol	CYP17A1
Synonyms	CYP17A1; cytochrome P450, family 17, subfamily A, polypeptide 1; CYP17, cytochrome P450, subfamily XVII (steroid 17 alpha hydroxylase), adrenal hyperplasia; steroid 17-alpha-hydroxylase/17,20 lyase; CPT7; P450C17; S17AH; Steroid 17 alpha monooxygenase; C
Entrez Gene ID	1586
Protein Refseq	NP_000093
UniProt ID	P05093
Chromosome Location	10q24.3
Pathway	Androgen biosynthesis, organism-specific biosystem; Biological oxidations, organism-specific biosystem; C19/C18-Steroid hormone biosynthesis, pregnenolone => androstenedione => estrone, organism-specific biosystem; C19/C18-Steroid hormone biosynthesis, pregnenolone => androstenedione =>
Function	electron carrier activity; heme binding; metal ion binding; monooxygenase activity; oxygen binding; steroid 17-alpha-monooxygenase activity;

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