Datasheet for ABIN2855475

anti-CYP17A1 antibody (Center)

3 Images

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Overview

Quantity:	100 µL
Target:	CYP17A1
Binding Specificity:	Center
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CYP17A1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	Recombinant protein encompassing a sequence within the center region of human CYP17A1. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Chimpanzee
Cross-Reactivity (Details):	Chimpanzee (100 %)
Characteristics:	Rabbit Polyclonal antibody to CYP17A1 (cytochrome P450, family 17, subfamily A, polypeptide 1) CYP17A1 antibody [N1C2]
Purification:	Purified by antigen-affinity chromatography.

Target Details

Target:	CYP17A1
Alternative Name:	CYP17A1 (CYP17A1 Products)
Background:	This gene encodes a member of the cytochrome P450 superfamily of enzymes. The cytochrome P450 proteins are monooxygenases which catalyze many reactions involved in drug metabolism and synthesis of cholesterol, steroids and other lipids. This protein localizes to the endoplasmic reticulum. It has both 17alpha-hydroxylase and 17,20-lyase activities and is a key enzyme in the steroidogenic pathway that produces progestins, mineralocorticoids, glucocorticoids, androgens, and estrogens. Mutations in this gene are associated with isolated steroid-17 alpha-hydroxylase deficiency, 17-alpha-hydroxylase/17,20-lyase deficiency, pseudohermaphroditism, and adrenal hyperplasia. Cellular Localization: Membrane , Membrane, Single-pass membrane protein , Membrane , Membrane
Molecular Weight:	57 kDa
Gene ID:	1586
Pathways:	Metabolism of Steroid Hormones and Vitamin D, Steroid Hormone Biosynthesis, Regulation of Hormone Metabolic Process, Regulation of Hormone Biosynthetic Process, C21-Steroid Hormone Metabolic Process, Cellular Response to Molecule of Bacterial Origin

Application Details

Application Notes:	Suggested dilution Reference Western blot 1:500-1:20000* Not tested in other applications. *Optimal dilutions/concentrations should be determined by the researcher.Suggested dilutionReferenceWestern blot1:500-1:20000*
Comment:	Positive Control: NIH-3T3 , C2C12 , MCF-7 , HepG2
Restrictions:	For Research Use only

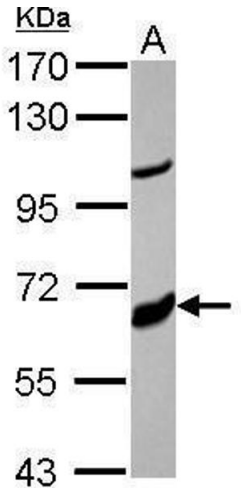
Handling

Format:	Liquid
Concentration:	0.65 mg/mL
Buffer:	0.1M Tris, 0.1M Glycine, 20 % Glycerol (pH 7). 0.01 % Thimerosal was added as a preservative.
Preservative:	Thimerosal (Merthiolate)

Handling

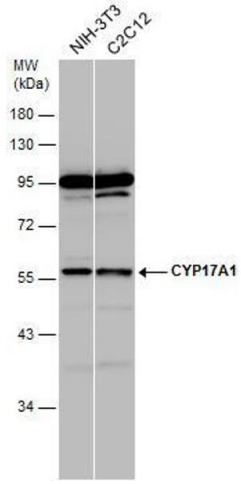
Precaution of Use:	This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Keep as concentrated solution. Aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.

Images



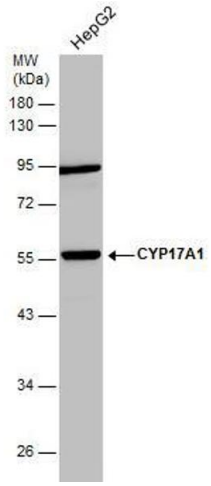
Western Blotting

Image 1. WB Image Sample (30 ug of whole cell lysate) A: MCF-7 7.5% SDS PAGE antibody diluted at 1:10000



Western Blotting

Image 2. WB Image Various whole cell extracts (30 µg) were separated by 10% SDS-PAGE, and the membrane was blotted with CYP17A1 antibody [N1C2] , diluted at 1:1000.



Western Blotting

Image 3. WB Image Whole cell extract (30 µg) was separated by 10% SDS-PAGE, and the membrane was blotted with CYP17A1 antibody [N1C2] , diluted at 1:1000.