

ARG54107 anti-Cytochrome P450 17A1 antibody

Package: 100 μl Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody recognizes CYP17A1
Tested Reactivity	Hu
Tested Application	WB
Host	Mouse
Clonality	Monoclonal
lsotype	lgG2b
Target Name	Cytochrome P450 17A1
Species	Human
Immunogen	Purified recombinant human Cytochrome P450 17A1 protein fragments expressed in E.coli.
Conjugation	Un-conjugated
Alternate Names	CYP17; P450C17; Cytochrome P450-C17; S17AH; Cytochrome P450c17; CPT7; Steroid 17-alpha- hydroxylase/17,20 lyase; Steroid 17-alpha-monooxygenase; EC 4.1.2.30; CYPXVII; 17-alpha- hydroxyprogesterone aldolase; EC 1.14.99.9; Cytochrome P450 17A1

Application Instructions

Application table	Application	Dilution
	WB	1:1000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Observed Size	60 kDa	

Properties

Form	Liquid
Buffer	Ascites
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

	Swiss-port # P05093 Human
Gene Symbol	CYP17A1
Gene Full Name	cytochrome P450, family 17, subfamily A, polypeptide 1
Background	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.
Function	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. [UniProt]
Research Area	Cancer antibody; Cell Biology and Cellular Response antibody; Metabolism antibody; Signaling Transduction antibody
Calculated Mw	57 kDa
PTM	Phosphorylation is necessary for 17,20-lyase, but not for 17-alpha-hydroxylase activity.
Cellular Localization	Membrane.

Images

