

ARG63933 anti-Cytochrome P450 17A1 antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes Cytochrome P450 17A1
Tested Reactivity	Hu
Predict Reactivity	Cat, Dog
Tested Application	IHC-P, WB
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	Cytochrome P450 17A1
Species	Human
Immunogen	C-LFKDGDQKLEK
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
	IHC-P	3 - 5 µg/ml
	WB	0.1 - 0.3 µg/ml
Application Note	IHC-P: Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). WB: Recommend incubate at RT for 1h. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

Properties

Form	Liquid
Purification	Purified from goat serum by antigen affinity chromatography.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml
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

Database links

[GeneID: 1586 Human](#)

[Swiss-port # P05093 Human](#)

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 17 α -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 α -hydroxylase deficiency, 17- α -hydroxylase/17,20-lyase deficiency, pseudohermaphroditism, and adrenal hyperplasia. [provided by RefSeq, Jul 2008]

Research Area

Cancer antibody; Cell Biology and Cellular Response antibody; Metabolism antibody; Signaling Transduction antibody

Calculated Mw

57 kDa

PTM

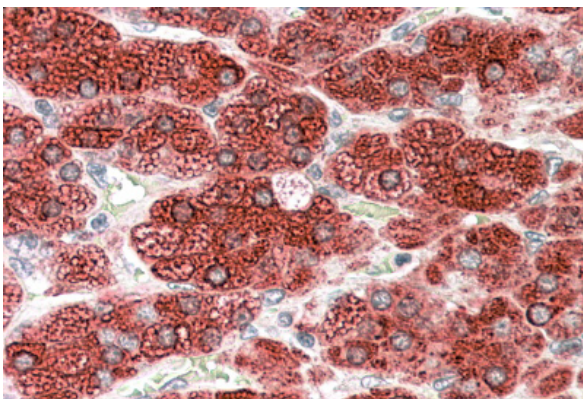
Phosphorylation is necessary for 17,20-lyase, but not for 17- α -hydroxylase activity.

Images



ARG63933 anti-Cytochrome P450 17A1 antibody WB image

Western blot: Human ovary lysate (35 μ g protein in RIPA buffer) stained with ARG63933 anti-Cytochrome P450 17A1 antibody at 0.3 μ g/ml dilution.



ARG63933 anti-Cytochrome P450 17A1 antibody IHC-P image

Immunohistochemistry: Paraffin embedded Human Adrenal Gland. (Steamed antigen retrieval with citrate buffer pH 6) stained with ARG63933 anti-Cytochrome P450 17A1 antibody at 3.8 μ g/ml dilution followed by AP-staining.