

Rabbit CYP11A1 Polyclonal Antibody | anti-CYP11A1 antibody

CYP11A1 Polyclonal Antibody

CATALOG # AAA37314	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunofluorescence, Western Blot
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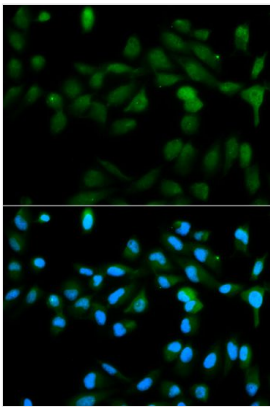
PRODUCT SYNONYMS

CYP11A1; Polyclonal Antibody; CYP11A1 Polyclonal Antibody; CYP11A; CYPXIA1; P450SCC; anti-CYP11A1 antibody

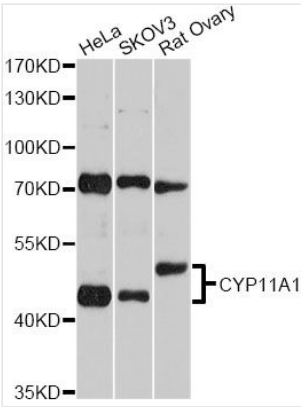
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purification
Form/Format	PBS with 0.05% proclin300,50% glycerol,pH7.3.
Concentration	1mg/ml (varies by lot)
Sequence Length	521
Applicable Applications for anti-CYP11A1 antibody	IF (Immunofluorescence), WB (Western Blot)
Species	Human
Immunogen	Recombinant Protein
Immunogen	Recombinant protein of human CYP11A1
Calculated Molecular Weight	60kDa
Preparation and Storage	Store at -20 degree C. Avoid freeze / thaw cycles.

IMAGES



IF (Immunofluorescence)
Immunofluorescence analysis of MCF-7 cells using CYP11A1 antibody. Blue: DAPI for nuclear staining.



WB (Western Blot)
Western blot analysis of extracts of various cell lines, using CYP11A1 Antibody at 1:2000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 30s.

ADDITIONAL INFORMATION

Related Product Information for anti-CYP11A1 antibody	The formation of biologically active steroid hormones is significantly influenced by the mitochondrial cytochrome P450 enzyme, cholesterol side-chain cleavage. CYP11A1 functions in catalyzing the first step of steroid biosynthesis under modulation of cAMP. It is also known as cytochrome P450C11A1, cytochrome P450scc and cytochrome P450, subfamily XIA. Expression of CYP11A1 has been a useful tool for monitoring the differentiation state of cells from various endocrine tissues. Identification of CYP11A1 expression by 13363-1-AP detected a ~45kd band in human placenta, with respect to the reported band at 49-52kd by Roby, et al and Durkee, et al.
Product Categories/Family for anti-CYP11A1 antibody	Polyclonal

NCBI AND UNIPROT INFORMATION

NCBI GI #	143811381
NCBI GeneID	1583
UniProt Accession #	P05108; Q15081; Q16805; Q8N1A7; A8K8D5; B3KPU8; G3XAD7
Molecular Weight	521
NCBI Official Full Name	Cholesterol side-chain cleavage enzyme, mitochondrial
NCBI Official Synonym Full Names	cytochrome P450, family 11, subfamily A, polypeptide 1
NCBI Official Symbol	CYP11A1
NCBI Official Synonym Symbols	CYP11A; CYPXIA1; P450SCC
NCBI Protein Information	cholesterol side-chain cleavage enzyme, mitochondrial; steroid 20-22-lyase; cytochrome P450 11A1; cytochrome P450(scc); cytochrome P450C11A1; cholesterol 20-22 desmolase; cholesterol monooxygenase (side-chain cleaving); cytochrome P450, subfamily XIA (cholesterol side chain cleavage)
UniProt Protein Name	Cholesterol side-chain cleavage enzyme, mitochondrial
UniProt Gene Name	CYP11A1
UniProt Synonym Gene Names	CYP11A
UniProt Entry Name	CP11A_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/cyp11a1-antibody-immunofluorescence-western-blot-elisa/37314>