

Rabbit CYP46A1 Antibody | anti-CYP46A1 antibody

CYP46A1 Polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA280657	Rabbit	Human, Mouse, Rat	Immunofluorescence, Immunohistochemistry, Western Blot

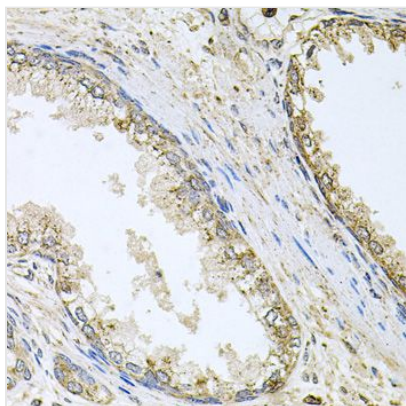
PRODUCT SYNONYMS

CYP46A1; CYP46A1 Polyclonal Antibody; CP46; CYP46; anti-CYP46A1 antibody

PRODUCT SPECIFICATIONS

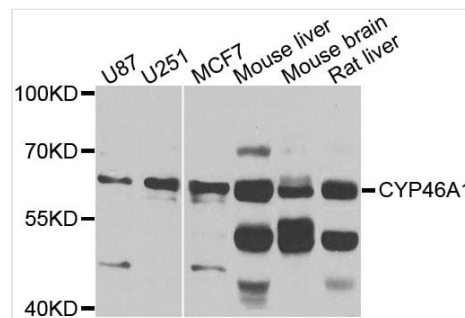
Host	Rabbit
Reactivity	Human, Mouse, Rat
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Applicable Applications for anti-CYP46A1 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 24-280 of human CYP46A1 (NP_006659.1).
Preparation and Storage	Store at -20°C. Avoid freeze / thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human prostate using CYP46A1 antibody at dilution of 1:100 (40x lens).



WB (Western Blot)

Western blot analysis of extracts of various cell lines, using CYP46A1 antibody at 1:1000 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: 10s.

ADDITIONAL INFORMATION

Related Product Information for anti-CYP46A1 antibody

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 endoplasmic reticulum protein is expressed in the brain, where it converts cholesterol to 24S-hydroxycholesterol. While cholesterol cannot pass the blood-brain barrier, 24S-hydroxycholesterol can be secreted in the brain into the circulation to be returned to the liver for catabolism.

Product Categories/Family for anti-CYP46A1 antibody

Polyclonal

NCBI AND UNIPROT INFORMATION

NCBI GI #	5729796
NCBI GeneID	10858
NCBI Accession #	NP_006659.1
NCBI GenBank Nucleotide #	NM_006668.1
UniProt Accession #	Q9Y6A2; Q8N2B0; B4DHP8; E7EQG9
Molecular Weight	Observed MW: 57kDa Calculated MW: 38kDa/45kDa/56kDa
NCBI Official Full Name	cholesterol 24-hydroxylase
NCBI Official Synonym Full Names	cytochrome P450 family 46 subfamily A member 1
NCBI Official Symbol	CYP46A1
NCBI Official Synonym Symbols	CP46; CYP46
NCBI Protein Information	cholesterol 24-hydroxylase
UniProt Protein Name	Cholesterol 24-hydroxylase
UniProt Gene Name	CYP46A1
UniProt Synonym Gene Names	CYP46; CH24H
UniProt Entry Name	CP46A_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://stage.aaabiotech.com/rabbit-human-mouse-rat-antibody/cyp46a1/280657>