

Rabbit anti-Human CYP46A1 Polyclonal Antibody | anti-CYP46A1 antibody

CYP46A1 Rabbit pAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA283270	Rabbit	Human	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

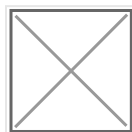
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

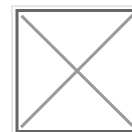
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.05% proclin300, 50% glycerol, pH7.3.
Sequence	RMDTYFEDPL TFNPDRFGPG APKPRFTYFP FSLGHRSCIG QQFAQMEVKV VMAKLLQRLE FRLVPGQRFG LQEQATLKPL DPVLCTLRPR GWQPAPPPPP C
Applicable Applications for anti-CYP46A1 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Cross Reactivity	Mouse, Rat
Immunogen	A synthetic peptide corresponding to a sequence within amino acids 400-500 of human CYP46A1(NP_006659.1).
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



IF (Immunofluorescence)

Immunofluorescence analysis of paraffin-embedded Mouse brain tissue using CYP46A1 Rabbit pAb (AAA283270) at a dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining. Perform microwave antigen retrieval with 0.01 M citrate buffer (pH 6.0) prior to IF staining.



WB (Western Blot)

Western blot analysis of various lysates using CYP46A1 Rabbit pAb (AAA283270) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates / proteins: 25 ug per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 1s.

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

Cancer; Signal Transduction; Endocrine Metabolism; Lipid Metabolism; Drug metabolism; Neuroscience; Neurodegenerative Diseases; Amyloid Plaque and Neurofibrillary Tangle Formation in Alzheimer's Disease; Antibodies

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	Calculated MW: 57kDa Observed MW: 57kDa
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/cyp46a1-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/283270>