Anti-CYP46A1 antibody

Cat. No.	ml161599
Package	25 µl/100 µl/200 µl
Storage	-20°C, pH7.4 PBS, 0.05% NaN3, 40% Glycerol

Product overview

Description	Anti-CYP46A1 rabbit polyclonal antibody
Applications	ELISA, IHC
Immunogen	Synthetic peptide of human CYP46A1
Reactivity	Human, Mouse, Rat
Content	0.5 mg/ml
Host species	Rabbit
Ig class	Immunogen-specific rabbit IgG
Purification	Antigen affinity purification

Target information

Symbol	CYP46A1
Full name	cytochrome P450, family 46, subfamily A, polypeptide 1
Synonyms	CP46; CYP46
Swissprot	Q9Y6A2

Target 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 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.
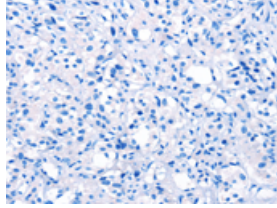
Applications

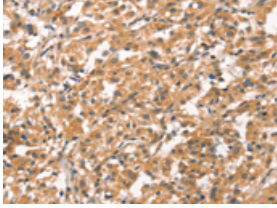**Immunohistochemistry**

Predicted cell location: Cytoplasm

Positive control: Human thyroid cancer

Recommended dilution: 25-100

Predicted cell location: Cytoplasm

Positive control: Human brain
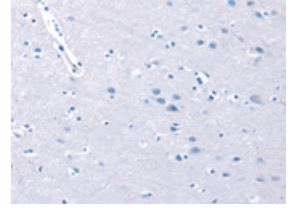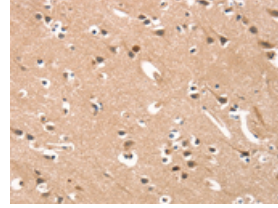
Recommended dilution: 25-100

The image on the left is immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using ml161599(CYP46A1 Antibody) at dilution 1/15, on the right is treated with synthetic peptide. (Original magnification: ×200)

The image on the left is immunohistochemistry of paraffin-embedded Human brain   tissue using ml161599(CYP46A1 Antibody) at dilution 1/15, on the right is treated with synthetic peptide. (Original magnification: ×200)

ELISA

Recommended dilution: 1000-2000

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