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Datasheet for ABIN5000885

## anti-CYP46A1 antibody (AA 51-150) (Alexa Fluor 750)

### Overview

Quantity:	100 µL
Target:	CYP46A1
Binding Specificity:	AA 51-150
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CYP46A1 antibody is conjugated to Alexa Fluor 750
Application:	Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

### Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human CYP46
Isotype:	IgG
Cross-Reactivity:	Mouse
Predicted Reactivity:	Human,Rat,Dog,Cow,Sheep,Horse,Rabbit
Purification:	Purified by Protein A.

### Target Details

Target:	CYP46A1
Alternative Name:	CYP46 ( <a href="#">CYP46A1 Products</a> )

## Target Details

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Background: Synonyms: Cholesterol 24-hydroxylase, CP46, CYP46, CP46A\_HUMAN, cytochrome P450 family 46.

Background: The Cyp46 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 exclusively in the brain, where it converts cholesterol to 24S-hydroxycholesterol by adding a hydroxyl group to cholesterol, producing a product that is more soluble than cholesterol and able to be exported from the brain. Cyp46 is also known as 24S-cholesterol hydroxylase.

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Gene ID: 10858

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## Application Details

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Application Notes: IF(IHC-P) 1:50-200  
IF(IHC-F) 1:50-200  
IF(ICC) 1:50-200

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Restrictions: For Research Use only

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## Handling

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Format: Liquid

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Concentration: 1 µg/µL

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Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

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Preservative: ProClin

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Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

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Storage: -20 °C

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Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

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Expiry Date: 12 months

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