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anti-CYP1B1 antibody (Center)

3 Images

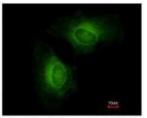


Go to Product page

Overview	
Quantity:	100 μL
Target:	CYP1B1
Binding Specificity:	Center
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CYP1B1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunocytochemistry (ICC)
Product Details	
Immunogen:	Recombinant protein encompassing a sequence within the center region of human CYP1B1.
	The exact sequence is proprietary.
Isotype:	IgG
Characteristics:	Rabbit Polyclonal antibody to CYP1B1 (cytochrome P450, family 1, subfamily B, polypeptide 1)
	CYP1B1 antibody
Purification:	Purified by antigen-affinity chromatography.
Target Details	
Target:	CYP1B1
Alternative Name:	CYP1B1 (CYP1B1 Products)

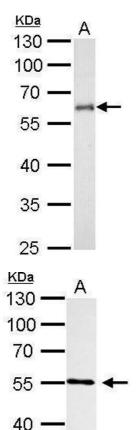
Target Details

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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. The enzyme encoded
	by this gene localizes to the endoplasmic reticulum and metabolizes procarcinogens such as
	polycyclic aromatic hydrocarbons and 17beta-estradiol. Mutations in this gene have been
	associated with primary congenital glaucoma, therefore it is thought that the enzyme also
	metabolizes a signaling molecule involved in eye development, possibly a steroid.
	Cellular Localization: Endoplasmic reticulum membrane , Microsome membrane
Molecular Weight:	61 kDa
Gene ID:	1545
Pathways:	Steroid Hormone Biosynthesis
Application Details	
Application Notes:	Suggested dilution Reference ICC/IF 1:100-1:1000* Western blot 1:500-1:3000* Not tested in
	other applications. *Optimal dilutions/concentrations should be determined by the
	researcher.Suggested dilutionReferenceICC/IF1:100-1:1000* Western blot1:500-1:3000*
Comment:	Positive Control: 293T , mouse lung
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	1 mg/mL
Buffer:	0.1M Tris, 0.1M Glycine, 10 % Glycerol (pH 7). 0.01 % Thimerosal was added as a preservative.
Preservative:	Thimerosal (Merthiolate)
Precaution of Use:	This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE
	which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Keep as concentrated solution. Aliquot and store at -20°C or below. Avoid multiple freeze-thaw
	cycles.



Costained with Hoechst 33342





25

Immunofluorescence

Image 1. ICC/IF Image Immunofluorescence analysis of methanol-fixed HeLa, using Cytochrome P450 1B1, antibody at 1:200 dilution.

Western Blotting

Image 2. WB Image CYP1B1 antibody detects CYP1B1 protein by Western blot analysis. A. 50 μg mouse lung lysate/extract 7.5 % SDS-PAGE CYP1B1 antibody , dilution: 1:1000

Western Blotting

Image 3. WB Image CYP1B1 antibody detects CYP1B1 protein by Western blot analysis. A. 30 μg 293T whole cell lysate/extract 7.5 % SDS-PAGE CYP1B1 antibody , dilution: 1:1000