

Datasheet for ABIN3030676

anti-CYP1B1 antibody (AA 143-176)



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2 Images

Overview

Quantity:	0.4 mL
Target:	CYP1B1
Binding Specificity:	AA 143-176
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CYP1B1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	A portion of amino acids 143-176 from the human protein was used as the immunogen for this CYP1B1 antibody.
Isotype:	Ig Fraction
Purification:	Purified

Target Details

Target:	CYP1B1
Alternative Name:	CYP1B1 (CYP1B1 Products)
Background:	CYP1B1 is 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 localizes to the endoplasmic

Target Details

reticulum and metabolizes procarcinogens such as polycyclic aromatic hydrocarbons and 17beta-estradiol. Mutations in CYP1B1 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.

UniProt: [Q16678](#)

Pathways: [Steroid Hormone Biosynthesis](#)

Application Details

Application Notes: Titration of the CYP1B1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 1:1000

Restrictions: For Research Use only

Handling

Format: Liquid

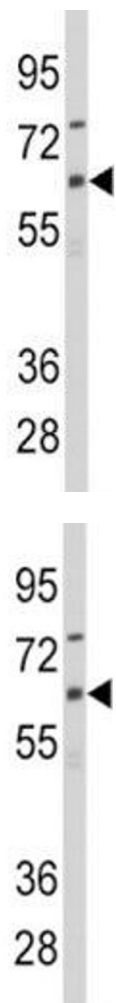
Buffer: In 1X PBS, pH 7.4, with 0.09 % sodium azide

Preservative: Sodium azide

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

Storage: -20 °C

Storage Comment: Aliquot the CYP1B1 antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.



Western Blotting

Image 1. Western blot analysis of CYP1B1 antibody and CEM lysate

Western Blotting

Image 2. Western blot analysis of CYP1B1 antibody and CEM lysate