

## CYP2C19 Polyclonal Antibody

### Description

<b>Product type</b>	Primary Antibody
<b>Code</b>	BT-AP02401
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Size</b>	20ul, 50ul, 100ul
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human Cytochrome P450 2C19. AA range:241-290
<b>Mol wt</b>	55931
<b>Species reactivity</b>	Human
<b>Clonality</b>	Polyclonal
<b>Recommended application</b>	WB, IHC-p, IF, ELISA
<b>Concentration</b>	1 mg/ml
<b>Full name</b>	CYP2C19 Antibody
<b>Synonyms</b>	CYP2C19; Cytochrome P450 2C19; (R)-limonene 6-monooxygenase; (S)-limonene 6-monooxygenase; (S)-limonene 7-monooxygenase; CYPIIC17; CYPIIC19; Cytochrome P450-11A; Cytochrome P450-254C; Mephenytoin 4-hy

**This product is for research use only, not for use in human, therapeutic or diagnostic procedure.**

### Background

CYP2C19 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 protein localizes to the endoplasmic reticulum and is known to metabolize many xenobiotics, including the anticonvulsive drug mephenytoin, omeprazole, diazepam and some barbiturates. Polymorphism within this gene is associated with variable ability to metabolize mephenytoin, known as the poor metabolizer and extensive metabolizer phenotypes. CYP2C19 is located within a cluster of cytochrome P450 genes on chromosome 10q24.

### Recommended Dilution

WB: 1: 500 - 1: 2000

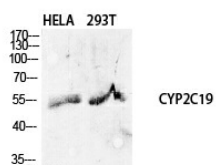
IHC: 1: 100 - 1: 300

IF: 1: 200 - 1: 1000

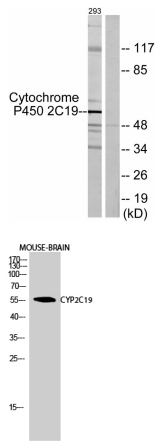
ELISA: 1: 5000

Not yet tested in other applications.

### Images



Western Blot analysis of various cells using CYP2C19 Polyclonal Antibody diluted at 1:1000



Western blot analysis of lysates from 293 cells, using Cytochrome P450 2C19 Antibody. The lane on the right is blocked with the synthesized peptide.

Western Blot analysis of MOUSE-BRAIN cells using CYP2C19 Polyclonal Antibody diluted at 1:1000

### Storage

-20°C for one year

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