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Datasheet for ABIN2777003 anti-CYP2C19 antibody (Middle Region)

3 Images

1 Publication



Overview

Quantity:	100 μL
Target:	CYP2C19
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Cow, Sheep, Guinea Pig, Horse, Pig, Rabbit, Dog, Goat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CYP2C19 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human CYP2C19
Sequence:	QEEIERVIGR NRSPCMQDRG HMPYTDAVVH EVQRYIDLIP TSLPHAVTCD
Predicted Reactivity:	Cow: 86%, Dog: 86%, Goat: 75%, Guinea Pig: 86%, Horse: 93%, Human: 100%, Mouse: 93%, Pig: 92%, Rabbit: 93%, Rat: 92%, Sheep: 86%
Characteristics:	This is a rabbit polyclonal antibody against CYP2C19. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified
Target Details	
Target:	CYP2C19

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 1/4 | Product datasheet for ABIN2777003 | 09/11/2023 | Copyright antibodies-online. All rights reserved.

Target Details		
Alternative Name:	CYP2C19 (CYP2C19 Products)	
Background:	CYP2C19 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. 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. 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 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 metabolizer and extensive metabolizer 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. The gene is located within a cluster of cytochrome P450 genes on chromosome 10q24. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications. Alias Symbols: CPCJ, CYP 2C, CYP2C, P450C2C, P450IIC19 Protein Interaction Partner: POR, Protein Size: 490	
Molecular Weight:	56 kDa	
Gene ID:	1557	
NCBI Accession:	NM_000769, NP_000760	
UniProt:	P33261	
Application Details		
Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.	
Comment:	Antigen size: 490 AA	
Restrictions:	For Research Use only	
Handling		
Format:	Liquid	

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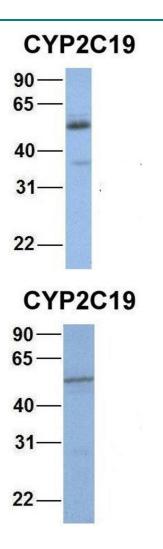
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 %
	sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which
	should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small
	aliquots to prevent freeze-thaw cycles.
Publications	
Product cited in:	Veerhuis, Boshuizen, Morbin, Mazzoleni, Hoozemans, Langedijk, Tagliavini, Langeveld,
	Eikelenboom: "Activation of human microglia by fibrillar prion protein-related peptides is
	enhanced by amyloid-associated factors SAP and C1q." in: Neurobiology of disease, Vol. 19,
	Issue 1-2, pp. 273-82, (2005) (PubMed).

Images



Western Blotting

Image 1. WB Suggested Anti-CYP2C19 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:312500 Positive Control: Human Placenta



Western Blotting

Image 2. Host: Rabbit Target Name: NOP56 Sample Type: Human Fetal Muscle Antibody Dilution: 1.0ug/ml

Western Blotting

Image 3. Host: Rabbit Target Name: WT1 Sample Type: 721_B Antibody Dilution: 1.0ug/ml CYP2C19 is supported by BioGPS gene expression data to be expressed in 721_B

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