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anti-CYP2B6 antibody (Middle Region)

Images



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Overview		
Quantity:	0.4 mL	
Target:	CYP2B6	
Binding Specificity:	AA 242-270, Middle Region	
Reactivity:	Human	
Host:	Rabbit	
Clonality:	Polyclonal	
Conjugate:	This CYP2B6 antibody is un-conjugated	
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)	
Product Details		
Immunogen:	KLH conjugated synthetic peptide between 242-270 amino acids from the Central region of Human CYP2B6. Genename: CYP2B6	
Isotype:	Ig Fraction	
Specificity:	This antibody recognizes Human CYP2B6 (Center).	
Purification:	Protein A column, followed by peptide affinity purification	
Target Details		
Target:	CYP2B6	
Alternative Name:	CYP2B6 (CYP2B6 Products)	

Target Details

Background:

This gene, CYP2B6, 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 its expression is induced by phenobarbital. The enzyme is known to metabolize some xenobiotics, such as the anti-cancer drugs cyclophosphamide and ifosphamide. Transcript variants for this gene have been described, however, it has not been resolved whether these transcripts are in fact produced by this gene or by a closely related pseudogene, CYP2B7. Both the gene and the pseudogene are located in the middle of a CYP2A pseudogene found in a large cluster of cytochrome P450 genes from the CYP2A, CYP2B and CYP2F subfamilies on chromosome 19q.Synonyms: CYPIIB6, Cytochrome P450 2B6, Cytochrome P450 IIB1

Molecular Weight:

56278 Da

Gene ID:

1555

NCBI Accession:

NP_000758

Application Details

App	lication	Notes:
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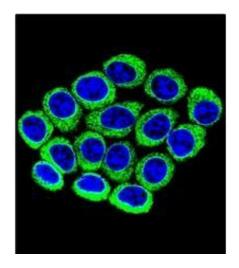
Optimal working dilution should be determined by the investigator.

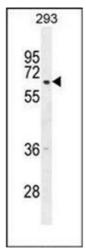
Restrictions:

For Research Use only

Handling

Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	PBS containing 0.09 % (W/V) Sodium Azide as preservative
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 freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.





Immunofluorescence

Image 1. Confocal immunofluorescent analysis of CYP2B6 Antibody (Center) Cat.-No AP51170PU-N with 293 cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nuclear (blue).

Immunohistochemistry (Paraffin-embedded Sections)

Image 2. Formalin fixed, paraffin embedded human hepatocarcinoma stained with CYP2B6 Antibody (Center) followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of CYP2B6 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.

Western Blotting

Image 3. Western blot analysis of CYP2B6 Antibody (Center) in 293 cell line lysates (35ug/lane). This demonstrates the CYP2B6 antibody detected the CYP2B6 protein (arrow).