

CYP2B6 Antibody (aa241-290)
Rabbit Polyclonal Antibody
Catalog # ALS16540**Specification**

CYP2B6 Antibody (aa241-290) - Product Information

Application	IHC, WB
Primary Accession	P20813
Other Accession	1555
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	56278

CYP2B6 Antibody (aa241-290) - Additional Information**Gene ID** 1555**Other Names**

CYP2B6, CPB6, CYP2B, CYP2B7P, EFVM, CYP2B7, Cytochrome p450 IIB6, p450, CYP1IB6, Cytochrome P450 2B6, Cytochrome P450 IIB1, IIB1

Target/Specificity

Cytochrome P450 2B6 Antibody detects endogenous levels of total Cytochrome P450 2B6 protein.

Reconstitution & StoragePBS (without Mg²⁺, Ca²⁺), pH 7.4, 150 mM sodium chloride, 0.02% sodium azide, 50% glycerol.
Store at -20°C for up to one year.**Precautions**

CYP2B6 Antibody (aa241-290) is for research use only and not for use in diagnostic or therapeutic procedures.

CYP2B6 Antibody (aa241-290) - Protein Information**Name** CYP2B6 {ECO:0000303|PubMed:21289075, ECO:0000312|HGNC:HGNC:2615}**Function**

A cytochrome P450 monooxygenase involved in the metabolism of endocannabinoids and steroids (PubMed: 21289075, PubMed: 12865317). Mechanistically, uses molecular oxygen inserting one oxygen atom into a substrate, and reducing the second into a water molecule, with two electrons provided by NADPH via cytochrome P450 reductase (NADPH-- hemoprotein reductase). Catalyzes the epoxidation of double bonds of arachidonoyl ethanolamide (anandamide) to 8,9-, 11,12-, and 14,15- epoxyeicosatrienoic acid ethanolamides (EpETRE-EAs), potentially modulating endocannabinoid system signaling (PubMed: 21289075).

Hydroxylates steroid hormones, including testosterone at C-16 and estrogens at C-2 (PubMed:21289075, PubMed:12865317). Plays a role in the oxidative metabolism of xenobiotics, including plant lipids and drugs (PubMed:11695850, PubMed:22909231). Acts as a 1,4-cineole 2-exo- monooxygenase (PubMed:11695850).

Cellular Location

Endoplasmic reticulum membrane; Peripheral membrane protein. Microsome membrane; Peripheral membrane protein

Tissue Location

Expressed in liver, lung and heart right ventricle.

Volume

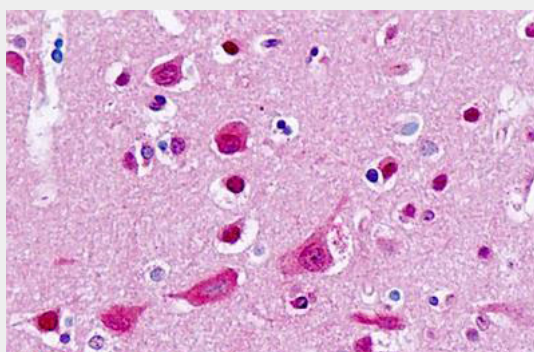
50 µl

CYP2B6 Antibody (aa241-290) - Protocols

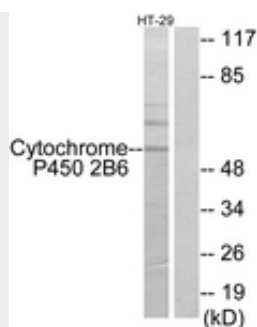
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

CYP2B6 Antibody (aa241-290) - Images



Anti-CYP2B6 antibody IHC staining of human brain, cortex.



Western blot of extracts from HT-29 cells, using Cytochrome P450 2B6 Antibody.

CYP2B6 Antibody (aa241-290) - Background

Cytochromes P450 are a group of heme-thiolate monooxygenases. In liver microsomes, this enzyme is involved in an NADPH-dependent electron transport pathway. It oxidizes a variety of structurally unrelated compounds, including steroids, fatty acids, and xenobiotics. Acts as a 1,4-cineole 2-exo-monooxygenase.

CYP2B6 Antibody (aa241-290) - References

- Yamano S.,et al.Biochemistry 28:7340-7348(1989).
Zhuge J.,et al.Submitted (SEP-1999) to the EMBL/GenBank/DDBJ databases.
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Grimwood J.,et al.Nature 428:529-535(2004).
Miles J.S.,et al.Nucleic Acids Res. 17:8241-8255(1989).