

Goat Anti-CYP2B6 Antibody (internal region)
Purified Goat Polyclonal Antibody
Catalog # AF4234a

Specification

Goat Anti-CYP2B6 Antibody (internal region) - Product Information

Application	WB
Primary Accession	P20813
Other Accession	NP_000758.1
Reactivity	Human
Predicted	Human
Host	Goat
Clonality	Polyclonal
Concentration	0.5
Calculated MW	56278

Goat Anti-CYP2B6 Antibody (internal region) - Additional Information

Gene ID 1555

Other Names

CYP2B6; cytochrome P450, family 2, subfamily B, polypeptide 6; CPB6; CYP2B; CYP2B7; CYP2B7P; CYP2B6; EFVM; IIB1; P450; 1, 4-cineole 2-exo-monooxygenase; cytochrome P450 2B6; cytochrome P450 IIB1; cytochrome P450, subfamily IIB (phenobarbital-inducible), polypeptide 6

Format

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.

Immunogen

Peptide with sequence C-HSVEKHRETL DPS, from the internal region of the protein sequence according to NP_000758.1.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

Goat Anti-CYP2B6 Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

Goat Anti-CYP2B6 Antibody (internal region) - 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:12865317, PubMed:21289075). 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 arachidonylethanolamide (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:12865317, PubMed:21289075). 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.

Goat Anti-CYP2B6 Antibody (internal region) - 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](#)

Goat Anti-CYP2B6 Antibody (internal region) - Images





AF4234a (0.1 $\mu\text{g/ml}$) staining of HepG2 (A) and K562 (B) lysates (35 μg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Goat Anti-CYP2B6 Antibody (internal region) - References

Quantitative prediction of CYP2B6 induction by estradiol during pregnancy: potential explanation for increased methadone clearance during pregnancy. Dickmann LJ, Isoherranen N. Drug metabolism and disposition: the biological fate of chemicals 2013 Feb 41 (2): 270-4.