

Product datasheet for **TA353123L**

Cytochrome P450 2A6 (CYP2A6) Sheep Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Recommended Dilution:	WB
Reactivity:	Human
Host:	Sheep
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	CYP 2A6
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	cytochrome P450 family 2 subfamily A member 6
Database Link:	NP_000753 Entrez Gene 1548 Human P11509

Background: CYP2A6, 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 hydroxylate coumarin, and also metabolizes nicotine, aflatoxin B1, nitrosamines, and some pharmaceuticals. This gene is part of a large cluster of cytochrome P450 genes from the CYP2A, CYP2B and CYP2F subfamilies on chromosome 19q. CYP 2A6 exhibits high coumarin 7-hydroxylase activity and can act in the hydroxylation of the anti-cancer drugs cyclophosphamide and ifosfamide.

Synonyms: CPA6; CYP2A; CYP2A3; CYP11A6; P450C2A; P450PB

Protein Families: Druggable Genome, P450, Transmembrane

Protein Pathways: Caffeine metabolism, Drug metabolism - cytochrome P450, Drug metabolism - other enzymes, Metabolic pathways, Retinol metabolism



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