Cytochrome P450 2D6 Conjugated Antibody

Catalog No: #C49620

Package Size: #C49620-AF350 100ul #C49620-AF405 100ul #C49620-AF488 100ul #C49620-AF555 100ul #C49620-AF594 100ul #C49620-AF647 100ul #C49620-AF680 100ul #C49620-AF750 100ul #C49620-Biotin 100ul

Orders: order@signalwayantibody.com
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Description

Product Name	Cytochrome P450 2D6 Conjugated Antibody
Host Species	Rabbit
Clonality	Monoclonal
Species Reactivity	Hu
Immunogen Description	Recombinant protein
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	CPD6 antibody CYP2D antibody CYP2D6 antibody CYP2D7AP antibody CYP2D7BP antibody CYP2D7P2 antibody CYP2D8P2 antibody CYP2DL1 antibody CYPIID6 antibody Cytochrome P450 DB1 antibody Cytochrome P450 family 2 subfamily D member 6 antibody Cytochrome P450 family 2 subfamily D polypeptide 6 antibody Debrisoquine 4 hydroxylase antibody Flavoprotein linked monooxygenase antibody Microsomal monooxygenase antibody P450 DB1 antibody P450C2D antibody P450DB1 antibody Xenobiotic monooxygenase antibody
Accession No.	Swiss-Prot#:P10635
Uniprot	P10635
GeneID	1565;
Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
Calculated MW	56 kDa
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°C in dark for 6 months

Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

Background

The P450II family comprises at least five subfamilies, designated A through E by the system of nomenclature recommended by an international committee. The P450IID subfamily comprises at least two genes in the rat, one of which is highly specific for debrisoquine 4-hydroxylase activity. An association of this gene with lung cancer has been found. Enhanced CYP2D6 activity has been related to malignancies of the bladder, liver, pharynx and stomach, and especially to cigarette-smoking-induced lung cancer. The data suggests that enhanced CYP2D6-mediated metabolism of one or more dietary and other environmental agents, to form a reactive intermediate, plays a role in cancer initiation and/or promotion in various tissues. CYP2D6 polymorphism, which is responsible for the variation in metabolism of debrisoquine 4-hydroxylase, is important in the metabolism of more than 30 drugs and environmental chemicals, including as much as 20% of all commonly prescribed drugs. The gene which encodes CYP2D6 maps to human chromosome 22q13.1.

Note: This product is for in vitro research use only