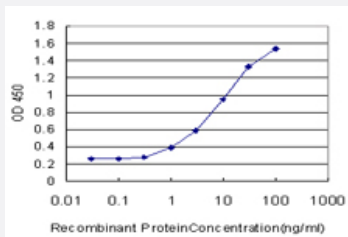


CYP1B1 monoclonal antibody (M03), clone 2F8

Catalog # H00001545-M03

Size 100 ug

Applications



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged CYP1B1 is approximately 0.3ng/ml as a capture antibody.

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant CYP1B1.
Immunogen	CYP1B1 (NP_000095, 453 a.a. ~ 542 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	NKDLTSRVMIFSVGKRRRCIGEELSKMQLFLFISILAHQCDFRANPNPEAKMNFSGYGLTIKPKSFKVN VTLRESMELLDSAVQNLQAKETC
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (77); Rat (78)
Isotype	IgG2b Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged CYP1B1 is approximately 0.3ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — CYP1B1

Entrez GeneID [1545](#)

GeneBank Accession# [NM_000104](#)

Protein Accession# [NP_000095](#)

Gene Name CYP1B1

Gene Alias CP1B, GLC3A, P4501B1

Gene Description cytochrome P450, family 1, subfamily B, polypeptide 1

Omim ID [137750](#) [137760](#) [231300](#) [601771](#) [604229](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene 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. The enzyme encoded by this gene localizes to the endoplasmic reticulum and metabolizes procarcinogens such as polycyclic aromatic hydrocarbons and 17beta-estradiol. Mutations in this gene have been associated with primary congenital glaucoma; therefore it is thought that the enzyme also metabolizes a signaling molecule involved in eye development, possibly a steroid. [provided by RefSeq]

Other Designations aryl hydrocarbon hydroxylase|cytochrome P450, subfamily I (dioxin-inducible), polypeptide 1 (glaucoma 3, primary infantile)|flavoprotein-linked monooxygenase|microsomal monooxygenase|xenobiotic monooxygenase

Pathway

- [Metabolism of xenobiotics by cytochrome P450](#)
- [Tryptophan metabolism](#)

Disease

- [Abortion](#)
- [Adenocarcinoma](#)
- [Adenoma](#)
- [Asperger Syndrome](#)
- [Asthma](#)
- [Atherosclerosis](#)
- [Autistic Disorder](#)
- [Brain Neoplasms](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Cell Transformation](#)
- [Cholestasis](#)
- [Chronic Disease](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Cocarcinogenesis](#)
- [Cognition](#)
- [Colon cancer](#)
- [Colonic Neoplasms](#)
- [Colorectal Neoplasms](#)
- [Cryptorchidism](#)
- [Diabetes Mellitus](#)

- [Disease Progression](#)
- [Disease Susceptibility](#)
- [DNA Damage](#)
- [Edema](#)
- [Endometrial Neoplasms](#)
- [Endometriosis](#)
- [Esophageal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Genomic Instability](#)
- [Glaucoma](#)
- [Glioma](#)
- [Head and Neck Neoplasms](#)
- [Hearing Loss](#)
- [Hot Flashes](#)
- [Hydrophthalmos](#)
- [Hypertension](#)
- [Hypopharyngeal Neoplasms](#)
- [Kidney Failure](#)
- [Kidney Neoplasms](#)
- [Laryngeal Neoplasms](#)
- [Leiomyoma](#)
- [Leukemia](#)
- [Liver Neoplasms](#)
- [Low Tension Glaucoma](#)
- [Lung carcinoma](#)
- [Lung Diseases](#)

- [Lung Neoplasms](#)
- [Lymphoma](#)
- [Meningioma](#)
- [Mesothelioma](#)
- [Multiple Myeloma](#)
- [Neoplasm Invasiveness](#)
- [Neoplasms](#)
- [Neuroma](#)
- [Obesity](#)
- [Occupational Diseases](#)
- [Ocular Hypertension](#)
- [Oligospermia](#)
- [Optic Nerve Diseases](#)
- [Osteoporosis](#)
- [Ovarian cancer](#)
- [Ovarian Cysts](#)
- [Ovarian Failure](#)
- [Ovarian Neoplasms](#)
- [Pancreatic cancer](#)
- [Pancreatic Neoplasms](#)
- [Parkinson disease](#)
- [Pleural Neoplasms](#)
- [Polycystic Ovary Syndrome](#)
- [Precancerous Conditions](#)
- [Pregnancy Complications](#)
- [Prenatal Exposure Delayed Effects](#)

- [Prostate cancer](#)
- [Prostatic Neoplasms](#)
- [Puberty](#)
- [Pulmonary Disease](#)
- [Seminoma](#)
- [Social Perception](#)
- [Stomach Neoplasms](#)
- [Testicular Neoplasms](#)
- [Thrombophilia](#)
- [Tobacco Use Disorder](#)
- [Urinary Bladder Neoplasms](#)
- [Uterine Neoplasms](#)
- [Vision Disorders](#)
- [Werner syndrome](#)