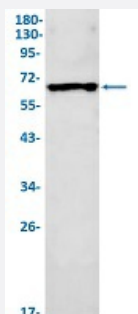


RecomAb™

CYP1B1 recombinant monoclonal antibody, clone R02-5A3

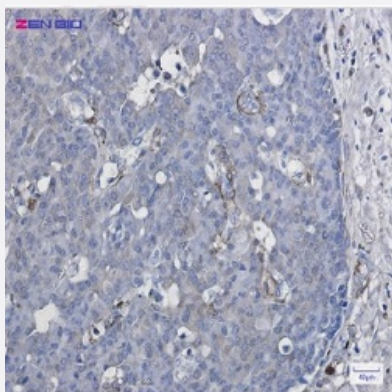
Catalog # RAB02345 Size 100 uL

Applications



Western Blot

Western Blot analysis of rat brain lysates with CYP1B1 recombinant monoclonal antibody, clone R02-5A3 (Cat # RAB02345).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human breast cancer with CYP1B1 recombinant monoclonal antibody, clone R02-5A3 (Cat # RAB02345). High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human CYP1B1.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against recombinant protein corresponding to human CYP1B1.
Theoretical MW (kDa)	Calculated MW: 61 kD
Reactivity	Human, Rat

Form	Liquid
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Immunohistochemistry (1:50-1:100) Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In 50 mM Tris-Glycine, pH 7.4 (0.15 M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA)
Storage Instruction	Store at -20 °C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot

Western Blot analysis of rat brain lysates with CYP1B1 recombinant monoclonal antibody, clone R02-5A3 (Cat # RAB02345).

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human breast cancer with CYP1B1 recombinant monoclonal antibody, clone R02-5A3 (Cat # RAB02345). High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.

Gene Info — CYP1B1

Entrez GeneID	1545
Protein Accession#	Q16678
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 17 β -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](#)