

CYP2C8 rabbit monoclonal antibody

Catalog # H00001558-K

Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human CYP2C8 peptide using ARM Technology.
Immunogen	A synthetic peptide of human CYP2C8 is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen (ARM Technology).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human CYP2C8 peptide by ELISA and mammalian transfected lysate by Western Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including F(ab) ₂ , IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

Gene Info — CYP2C8

Entrez GeneID [1558](#)

GeneBank Accession# [CYP2C8](#)

Gene Name CYP2C8

Gene Alias CPC8, MP-12/MP-20

Gene Description cytochrome P450, family 2, subfamily C, polypeptide 8

Omim ID [601129](#)

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. This protein localizes to the endoplasmic reticulum and its expression is induced by phenobarbital. The enzyme is known to metabolize many xenobiotics, including the anticonvulsive drug mephenytoin, benzo(a)pyrene, 7-ethoxycoumarin, and the anti-cancer drug taxol. This gene is located within a cluster of cytochrome P450 genes on chromosome 10q24. [provided by RefSeq]

Other Designations OTTHUMP00000020134|P450 form 1|cytochrome P450, subfamily IIC (mephenytoin 4-hydroxylase), polypeptide 8|flavoprotein-linked monooxygenase|microsomal monooxygenase|s-mephenytoin 4-hydroxylase|xenobiotic monooxygenase

Pathway

- [Arachidonic acid metabolism](#)
- [Drug metabolism - cytochrome P450](#)
- [Linoleic acid metabolism](#)
- [Metabolic pathways](#)
- [Metabolism of xenobiotics by cytochrome P450](#)
- [Retinol metabolism](#)

Disease

- [Adenoma](#)
- [Alzheimer Disease](#)
- [Anemia](#)
- [Atherosclerosis](#)
- [Brain Ischemia](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Colon cancer](#)
- [Colonic Neoplasms](#)
- [Colorectal Neoplasms](#)
- [Coronary Artery Disease](#)
- [Coronary Disease](#)
- [Diabetes Mellitus](#)
- [Drug Hypersensitivity](#)
- [Ductus Arteriosus](#)
- [Edema](#)
- [Epidermal Necrolysis](#)
- [Epilepsy](#)
- [Esophageal Neoplasms](#)
- [Essential tremor](#)
- [Exanthema](#)
- [Gastrointestinal Hemorrhage](#)

- [Genetic Predisposition to Disease](#)
- [Gilbert Disease](#)
- [Head and Neck Neoplasms](#)
- [Hepatitis](#)
- [Hyperbilirubinemia](#)
- [Hypercholesterolemia](#)
- [Hyperlipidemias](#)
- [Hypertension](#)
- [Kidney Failure](#)
- [Kidney Neoplasms](#)
- [Laryngeal Neoplasms](#)
- [Leukopenia](#)
- [Lung Neoplasms](#)
- [Malaria](#)
- [Mouth Neoplasms](#)
- [Multiple Myeloma](#)
- [Muscular Diseases](#)
- [Myocardial Infarction](#)
- [Nausea](#)
- [Neoplasm Invasiveness](#)
- [Neoplasms](#)
- [Neutropenia](#)
- [Osteonecrosis](#)
- [Ovarian cancer](#)
- [Ovarian Neoplasms](#)
- [Pharyngeal Neoplasms](#)

- [Premature Birth](#)
- [Prostate cancer](#)
- [Stevens-Johnson Syndrome](#)
- [Stroke](#)
- [Thrombocytopenia](#)
- [Tobacco Use Disorder](#)
- [Urogenital Neoplasms](#)
- [Vomiting](#)