UGT1A8 rabbit monoclonal antibody

Catalog # H00054576-K Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human UGT1A8 peptide using ARM Technology.
Immunogen	A synthetic peptide of human UGT1A8 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 UGT1A8 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 in cluding $F(ab)_2$, IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

- Western Blot (Transfected lysate)

  Protocol Download

- ELISA

Gene Info — UGT1A8

Entrez GeneID	54576
GeneBank Accession#	UGT1A8
Gene Name	UGT1A8
Gene Alias	UDPGT, UGT1A8S, UGT1H
Gene Description	UDP glucuronosyltransferase 1 family, polypeptide A8
Omim ID	606433
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a UDP-glucuronosyltransferase, an enzyme of the glucuronidation pathway tha t transforms small lipophilic molecules, such as steroids, bilirubin, hormones, and drugs, into wate r-soluble, excretable metabolites. This gene is part of a complex locus that encodes several UDP-glucuronosyltransferases. The locus includes thirteen unique alternate first exons followed by four common exons. Four of the alternate first exons are considered pseudogenes. Each of the remai ning nine 5' exons may be spliced to the four common exons, resulting in nine proteins with differe nt N-termini and identical C-termini. Each first exon encodes the substrate binding site, and is reg ulated by its own promoter. The enzyme encoded by this gene has glucuronidase activity with man y substrates including coumarins, phenols, anthraquinones, flavones, and some opioids. [provide d by RefSeq
Other Designations	UDP glycosyltransferase 1 family, polypeptide A8|UDP-glucuronosyltransferase 1 family polypepti de A8s|UDP-glucuronosyltransferase 1A8

Pathway

- Androgen and estrogen metabolism
- Ascorbate and aldarate metabolism
- Drug metabolism - cytochrome P450
- Drug metabolism - other enzymes
- Metabolic pathways
- Metabolism of xenobiotics by cytochrome P450
- Pentose and glucuronate interconversions

- Porphyrin and chlorophyll metabolism
- Retinol metabolism
- Starch and sucrose metabolism

Disease

- Adenocarcinoma
- Breast cancer
- Carcinoma
- Cardiovascular Diseases
- Chronic Disease
- Colorectal Neoplasms
- Diabetes Mellitus
- Diarrhea
- Edema
- Esophageal Neoplasms
- Genetic Predisposition to Disease
- Hearing Loss
- Hematologic Diseases
- Infection
- Kidney Failure
- Leukopenia
- Liver Neoplasms
- Pancreatitis
- Tobacco Use Disorder