

Product datasheet for TA355386

OriGene Technologies, Inc.

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UGT1A6 Mouse Monoclonal Antibody [Clone ID: 8C6]

Product data:

Product Type: Primary Antibodies

Clone Name: 8C6
Applications: WB

Reactivity: Human Host: Mouse

Isotype: IgM, kappa
Clonality: Monoclonal

Specificity: Expected reactivity: Human

Formulation: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2%

sucrose.

Concentration: lot specific

Conjugation: Unconjugated

Storage: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small

aliquots to prevent freeze-thaw cycles.

Stability: Shelf life: one year from despatch.

Predicted Protein Size: 58kDa

Gene Name: UDP glucuronosyltransferase family 1 member A6

Database Link: NP 001063

Entrez Gene 54578 Human

Q5DT01



Background:

This gene encodes a UDP-glucuronosyltransferase, an enzyme of the glucuronidation pathway that transforms small lipophilic molecules, such as steroids, bilirubin, hormones, and drugs, into water-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 remaining nine 5' exons may be spliced to the four common exons, resulting in nine proteins with different N-termini and identical C-termini. Each first exon encodes the substrate binding site, and is regulated by its own promoter. The enzyme encoded by this gene is active on phenolic and planar compounds. Alternative splicing in the unique 5' end of this gene results in two transcript variants.

Synonyms:

GNT1; HLUGP; HLUGP1; MGC29860; OTTHUMP00000065199; UDPGT; UGT-1F; UGT1; UGT1*6;

UGT1-06; UGT1.6; UGT1A6S; UGT1F

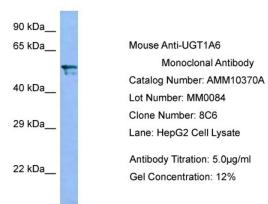
Protein Families:

Transmembrane

Protein Pathways:

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

Product images:



WB Suggested Anti-UGT1A6 Antibody Titration: 5 ug/ml

Positive Control: HepG2 Whole Cell