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UGT1A4 Rabbit pAb

Catalog No.: A5549

Basic Information

Observed MW
69kDa

Calculated MW
60kDa

Category
Primary antibody

Applications
ELISA,WB

Cross-Reactivity
Human, Mouse

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. This enzyme has some glucuronidase activity towards bilirubin, although is is more active on amines, steroids, and sapogenins.

Recommended Dilutions

WB	1:500 - 1:2000

Immunogen Information

Gene ID
54657

Swiss Prot
P22310

Immunogen
Recombinant fusion protein containing a sequence corresponding to amino acids 29-150 of human UGT1A4 (NP_009051.1).

Synonyms
GNT1; UGT1; UDPGT; UGT1A; UGT1D; UGT-1A; UGT-1D; UGT1.1; UGT1.4; UGT1A1; HUG-BR2; UGT1-01; UGT1-04; UGT1A4S; hUG-BR1; UDPGT 1-4; UGT1A4

Contact

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Product Information

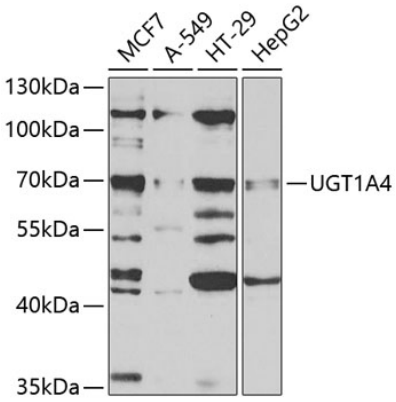
Source
Rabbit

Isotype
IgG

Purification
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.

Validation Data



Western blot analysis of extracts of various cell lines, using UGT1A4 antibody (A5549) at 1:1000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.