

Polyclonal Antibody to UDP Glucuronosyltransferase 2 Family, Polypeptide B7 (UGT2B7)

UDP Glucuronosyltransferase 2 Family, Polypeptide B7

Catalog # AP74708

Product Information

Application	WB
Primary Accession	Q62789
Reactivity	Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	60089

Additional Information

Gene ID	286989
Other Names	UGTB2B9; UDPGTh-2; 3, 4-catechol estrogen-specific UDPGT
Target/Specificity	Rattus norvegicus (Rat)
Dilution	WB~~Western blotting: 0.2-2 μ g/mL;1:250-2500 Immunohistochemistry: 5-20 μ g/mL;1:25-100 Immunocytochemistry: 5-20 μ g/mL;1:25-100 Optimal working dilutions must be determined by end user.
Format	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

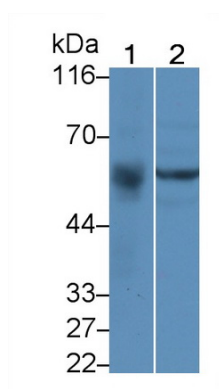
Name	Ugt2b7 {ECO:0000312 RGD:708417}
Synonyms	Ugt2b8
Function	UDP-glucuronosyltransferase (UGT) that catalyzes phase II biotransformation reactions in which lipophilic substrates are conjugated with glucuronic acid to increase the metabolite's water solubility, thereby facilitating excretion into either the urine or bile. Essential for the elimination and detoxification of drugs, xenobiotics and endogenous compounds. Catalyzes the glucuronidation of endogenous steroid hormones such as androgens (epitestosterone, androsterone) and estrogens (estradiol, epiestradiol, estriol, catechol estrogens). Also regulates the levels of retinoic acid, a major metabolite of vitamin A involved in apoptosis, cellular growth

and differentiation, and embryonic development. Contributes to bile acid (BA) detoxification by catalyzing the glucuronidation of BA substrates, which are natural detergents for dietary lipids absorption. Involved in the glucuronidation of arachidonic acid (AA) and AA-derived eicosanoids including 15-HETE, 20-HETE, PGE2, PGB1 and F2-isoprostanes (8-iso- PGF2alpha and 5-epi-5-F2t-IsoP). Involved in the glucuronidation of the phytochemical ferulic acid at the phenolic or the carboxylic acid group. Involved in the glucuronidation of the AGTR1 angiotensin receptor antagonist losartan, caderastan and zolarsatan, drugs which can inhibit the effect of angiotensin II. Also metabolizes mycophenolate, an immunosuppressive agent.

Cellular Location

Endoplasmic reticulum membrane {ECO:0000250 | UniProtKB:P16662}; Single-pass membrane protein

Images



Western Blot; Sample: Lane1: Rat Liver lysate; Lane2: Mouse Liver lysate Primary Ab: 0.5 µg/ml Rabbit Anti-Rat UGT2B7 Antibody Second Ab: 0.2 µg/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody (Catalog: SAA544Rb19)

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.