

DATASHEET

GNT1 Rabbit Polyclonal Antibody

CAT. NO. APA12614

KEY FEATURES

Target	GNT1	Source / Host	Rabbit
Reactivity	Human, Mouse	Clonality	Polyclonal
Applications	WB, IHC	Conjugation	Unconjugated
Form / Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.		Storage at -20°C

BACKGROUND

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 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 estrogen hormones such as estradiol and estrone .

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:1000
IHC	1:50 - 1:200

*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

Description	Rabbit polyclonal antibody to GNT1
Specificity	Recognizes endogenous levels of GNT1 protein.
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human GNT1
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 49; Observed: 55 kD
Form/Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	GNT1; UGT1; UDP-glucuronosyltransferase 1-9; UDPGT 1-9; UGT1*9; UGT1-09; UGT1.9; UDP-glucuronosyltransferase 1-I; UGT-1I; UGT1I; UDP-glucuronosyltransferase 1A9; lugP4
Gene Symbol	UGT1A9
Entrez Gene	54600(Human); 394434(Mouse)
SwissProt	O60656(Human); Q62452(Mouse)

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

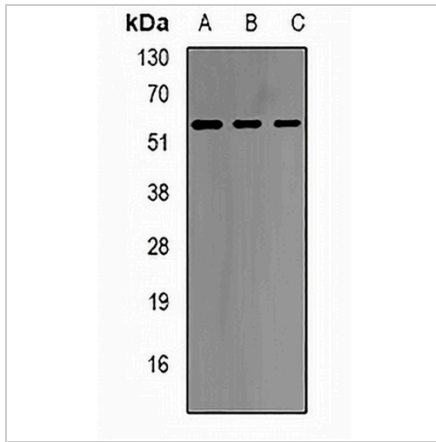
*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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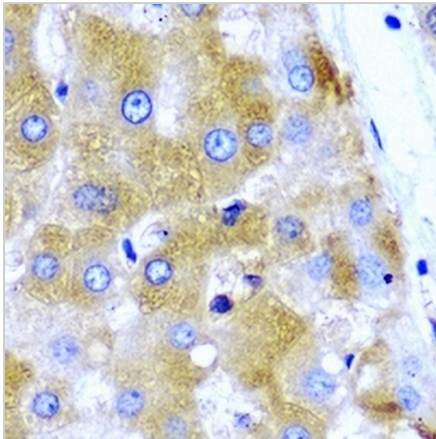
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DATA



Western blot analysis of GNT1 expression in HT29 (A), MCF7 (B), mouse liver (C) whole cell lysates. (Predicted band size: 49; 59 kD; Observed band size: 55 kD)



Immunohistochemical analysis of GNT1 staining in human liver cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.