

Product Information Sheet

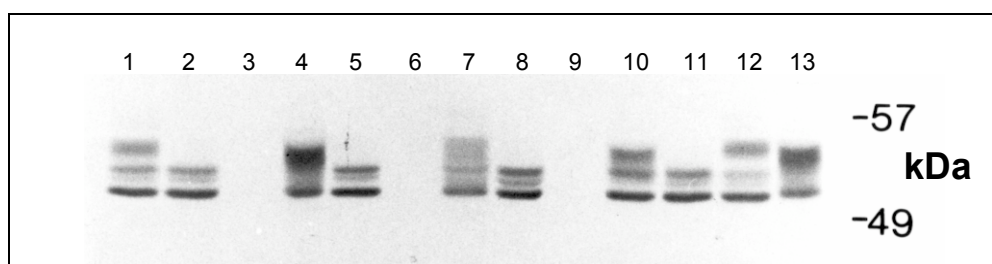
Sheep anti-rat UGT antiserum

Catalogue Number:	CYP601
Product Description:	Polyclonal antiserum raised in sheep against purified rat liver testosterone/4-nitrophenol UGT
Amount:	50 µl
Storage:	Store at -20°C. Avoid repeated freeze-thaw cycles.
Intended Use:	For laboratory (research) purposes only.
Batch Number:	AB601001

Western blotting specificity

A dilution of 1:2500 is suggested for Western blotting applications.

a) Immunoblotting of rat liver microsomes¹



Each lane contains 20 µg of rat liver microsomal protein.

Lane 1: untreated Wistar rat

Lane 2: untreated Gunn rat

Lane 3: empty

Lane 4: 3-methylcholanthrene-treated Wistar rat

Lane 5: 3-methylcholanthrene-treated Gunn rat

Lane 6: empty

Lane 7: phenobarbital-treated Wistar rat

Lane 8: phenobarbital-treated Gunn rat

Lane 9: empty

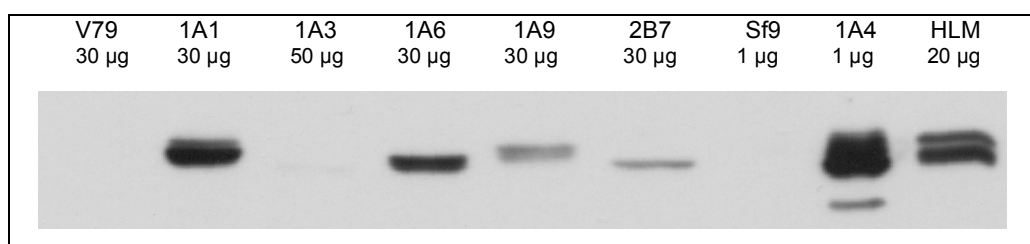
Lane 10: β-naphthoflavone-treated Wistar rat

Lane 11: β-naphthoflavone-treated Gunn rat

Lane 12: clofibrate-treated Wistar rat

Lane 13: as lane 4

b) Immunoblotting of cDNA-expressed human UGTs



UGTs 1A1, 1A3, 1A6, 1A9 and 2B7 expressed in V79 cells.

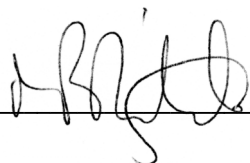
UGT1A4 expressed in Sf9 insect cells using recombinant baculovirus.

HLM: human liver microsomes; V79: control V79 cells; Sf9: control Sf9 insect cells



Immunoinhibition of UGT activity

There are no data available on the direct use of this antiserum for immunoinhibition of human UGT activity. IgG prepared from this antiserum has been shown to inhibit UGT activity towards 1-naphthol, testosterone, bilirubin, androsterone, estrone and morphine in Lubrol PX-solubilised rat liver microsomes¹.

Approved by 

Date 18th October, 2001

Safety Data

The toxicological properties of this reagent have not been investigated. Exercise due care when handling.

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Reference

¹Coughtrie, MWH, Burchell, B, Shepherd, IM and Bend, JR. "Defective induction of phenol glucuronidation by 3-methylcholanthrene in Gunn rats is due to the absence of a specific UDP-glucuronosyltransferase isoenzyme" Mol. Pharmacol. **31** (1987):585-591