

## Product Information Sheet

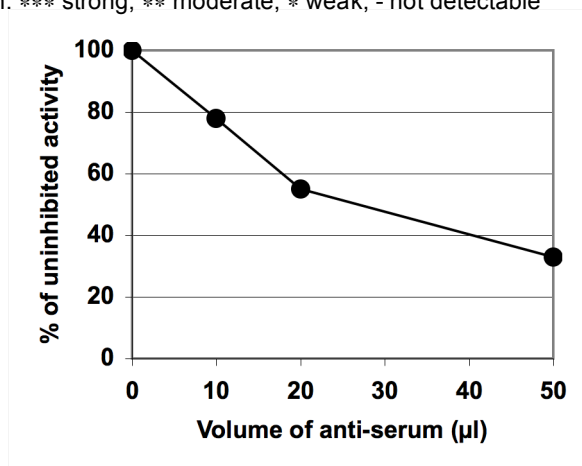
### Anti-rat CYP1A1 (for immunoinhibition and Western blotting)

Catalogue Number:	R-PAP041
Product Description:	Polyclonal antiserum raised in goat against purified rat CYP1A1
Amount:	200 µl
Storage:	Store at -20°C. Avoid repeated freeze-thaw cycles.
Intended Use:	For laboratory (research) purposes only.
Applications:	Immunoinhibition and Western blotting
Batch Number:	030707

#### Specificity of immunoinhibition against rat CYPs

CYP1A1	CYP1A2	CYP2B1	CYP2B2	CYP2C11	CYP2E1	CYP3A2	CYP4A1
**	-	-	-	-	-	-	-

Potency of immunoinhibition: \*\*\* strong; \*\* moderate; \* weak; - not detectable



Graph showing immunoinhibition of 7-ethoxycoumarin O-deethylation in liver microsomes prepared from 3-methylcholanthrene-treated rats. Anti-serum (0 – 50 µl) was pre-incubated with rat liver microsomes (200 µg protein) at room temperature for 30 min before starting the reaction. The final incubation volume was 500 µl. Data published by Daiichi Pure Chemical Co. Ltd.

#### Blotting specificity

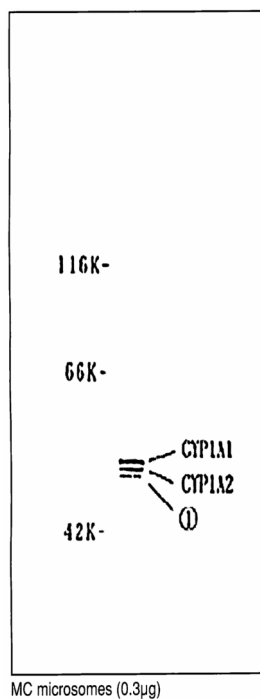
CYP1A1	CYP1A2	CYP2A1	CYP2A2	CYP2B1	CYP2C6	CYP2C11	CYP2C13
***	**	-	-	-	-	-	-

CYP2E1	CYP3A2	CYP4A1
*	-	-

Degree of cross-reactivity on Western blot: \*\*\* strong; \*\* moderate; \* weak; - not detectable

A dilution of 1:1000 or 1:2000 is suggested as a starting point for Western blotting applications.

[See, for example, Ling & Jamali *Drug Metab. Dispos.* **33** (2005): 579-586; Spink *et al Drug Metab. Dispos.* **30** (2002): 262-269]



Western blot of liver microsomes prepared from a 3-methylcholanthrene-treated rat (0.3 µg protein) showing the specificity of the R-PAP041 antibody. The band labelled ⊙ is reported to represent CYP2E1. Data published by Daiichi Pure Chemical Co. Ltd.

Approved by \_\_\_\_\_

Date 4<sup>th</sup> December, 2012

#### Safety Data

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

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