

**RABBIT ANTI-RAT CYTOCHROME P450 CYP1A1 AND CYP1A2  
POLYCLONAL ANTIBODY**

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<b>CATALOG NUMBER:</b>	AB1255	<b>QUANTITY:</b>	100 µL
<b>LOT NUMBER:</b>			
<b>SPECIFICITY:</b>	Reacts with rat cytochrome P450 enzyme CYP1A1 and CYP1A2 on Western blots of hepatic microsomal fractions. No cross-reactivity with other cytochrome P450 enzymes.		
<b>APPLICATIONS:</b>	Western blot: useful for the simultaneous detection of rat CYP1A1 (57 kDa) and CYP1A2 (54 kDa), which can be separated electrophoretically. <i>Optimal working dilutions must be determined by end user.</i>		
<b>SPECIES REACTIVITY:</b>	Reacts with Rat. Reactivity with other species has not been determined.		
<b>IMMUNOGEN:</b>	Synthetic peptide.		
<b>CONTROL:</b>	POSITIVE CONTROL: rat hepatic microsomal fraction.		
<b>FORMAT:</b>	Rabbit serum.		
<b>PRESENTATION:</b>	Liquid containing no preservative.		
<b>STORAGE/HANDLING:</b>	Maintain at -20°C in undiluted aliquots for up to 12 months after date of receipt. Avoid repeated freeze/thaw cycles.		
<b>REFERENCE:</b>	Edwards, R. <i>et al.</i> (1993). An inhibitory monoclonal anti-protein antibody and an anti-peptide antibody share an epitope on rat cytochrome P-450 enzymes CYP1A1 and CYP1A2. <i>Biochimica et biophysica acta</i> <b>1161</b> :38-46.		
<b>RELATED REFERENCES:</b>	Nelson, D. <i>et al.</i> (1993). The P450 superfamily: update on new sequences, gene mapping, accession numbers, early trivial names of enzymes, and nomenclature. <i>DNA and Cell Biology</i> <b>12</b> :1-51.  Myers, M. <i>et al.</i> (1990). Synthetic peptide antigens elicit monoclonal and polyclonal antibodies to cytochrome P450 IA2. <i>Biochem. Biophys. Res. Comm.</i> <b>169</b> (1):171-176.  Thomas, P. <i>et al.</i> (1987). Polyclonal and monoclonal antibodies as probes of rat hepatic cytochrome P-450 isozymes. <i>Federation Proc.</i> <b>46</b> :2563-2566.  Related: Black, S. and Coon, M. (1987). P-450 cytochromes: structure and function. <i>Adv Enzymol Relat Areas Mol Biol</i> <b>60</b> :35-87. <i>For research use only; not for use as a diagnostic.</i>		

**Important Note:** During shipment, small volumes of product will occasionally become entrapped in the seal of the product vial. For products with volumes of 200 µL or less, we recommend gently tapping the vial on a hard surface or briefly centrifuging the vial in a tabletop centrifuge to dislodge any liquid in the container's cap.

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