

**CYP2A6/7/13 rabbit pAb****Cat#: orb766698 (Manual)**

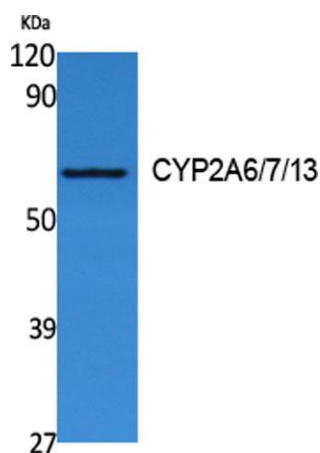
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<b>Product Name</b>	CYP2A6/7/13 rabbit pAb
<b>Host species</b>	Rabbit
<b>Applications</b>	WB;ELISA
<b>Species Cross-Reactivity</b>	Human;Rat;Mouse;
<b>Recommended dilutions</b>	Western Blot: 1/500 - 1/2000. ELISA: 1/40000. Not yet tested in other applications.
<b>Immunogen</b>	Synthesized peptide derived from the Internal region of human CYP2A6/7/13.
<b>Specificity</b>	CYP2A6/7/13 Polyclonal Antibody detects endogenous levels of CYP2A6/7/13 protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide..
<b>Storage</b>	Store at -20°C. Avoid repeated freeze-thaw cycles.
<b>Protein Name</b>	Cytochrome P450 2A6/Cytochrome P450 2A7/Cytochrome P450 2A13
<b>Gene Name</b>	CYP2A6/CYP2A7/CYP2A13
<b>Cellular localization</b>	Endoplasmic reticulum membrane; Peripheral membrane protein. Microsome membrane; Peripheral membrane protein.
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Clonality</b>	Polyclonal

<b>Concentration</b>	1 mg/ml
<b>Observed band</b>	56kD
<b>Human Gene ID</b>	1553
<b>Human Swiss-Prot Number</b>	P11509/P20853/Q16696
<b>Alternative Names</b>	CYP2A6; CYP2A3; Cytochrome P450 2A6; 1,4-cineole 2-exo-monooxygenase; CYP1IA6; Coumarin 7-hydroxylase; Cytochrome P450 IIA3; Cytochrome P450(I); CYP2A7; Cytochrome P450 2A7; CYP1IA7; Cytochrome P450 IIA4; CYP2A13; Cytochrome P450 2A13; CYP1IA13

**Background**

This gene, CYP2A6, encodes a member of the cytochrome P450 superfamily of enzymes. The cytochrome P450 proteins are monooxygenases which catalyze many reactions involved in drug metabolism and synthesis of cholesterol, steroids and other lipids. This protein localizes to the endoplasmic reticulum and its expression is induced by phenobarbital. The enzyme is known to hydroxylate coumarin, and also metabolizes nicotine, aflatoxin B1, nitrosamines, and some pharmaceuticals. Individuals with certain allelic variants are said to have a poor metabolizer phenotype, meaning they do not efficiently metabolize coumarin or nicotine. This gene is part of a large cluster of cytochrome P450 genes from the CYP2A, CYP2B and CYP2F subfamilies on chromosome 19q. The gene was formerly referred to as CYP2A3; however, it has been renamed CYP2A6. [provided by RefSeq, Jul 2008],



**Western Blot analysis of extracts from Jurkat cells, using CYP2A6/7/13 Polyclonal Antibody. Secondary antibody(catalog#:RS0002) was diluted at 1:20000**