

## Product datasheet for **AP14898PU-N**

### **CYP1A1 (C-term) Rabbit Polyclonal Antibody**

#### **Product data:**

<b>Product Type:</b>	Primary Antibodies
<b>Applications:</b>	WB
<b>Recommended Dilution:</b>	ELISA: 1/1,000. Western blotting: 1/50 - 1/100.
<b>Reactivity:</b>	Human
<b>Host:</b>	Rabbit
<b>Isotype:</b>	Ig
<b>Clonality:</b>	Polyclonal
<b>Immunogen:</b>	This antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide selected from the Center region of human CYP1A1.
<b>Specificity:</b>	This antibody reacts to CYP1A1.
<b>Formulation:</b>	PBS with 0.09% (W/V) sodium azide State: Purified State: Liquid purified Ig
<b>Concentration:</b>	lot specific
<b>Purification:</b>	Prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS
<b>Conjugation:</b>	Unconjugated
<b>Storage:</b>	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
<b>Stability:</b>	Shelf life: one year from despatch.
<b>Gene Name:</b>	cytochrome P450 family 1 subfamily A member 1
<b>Database Link:</b>	<a href="#">Entrez Gene 1543 Human P04798</a>



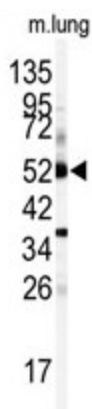
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**Background:**

CYP1A1 is 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 some polycyclic aromatic hydrocarbons (PAHs), some of which are found in cigarette smoke. The enzyme's endogenous substrate is unknown; however, it is able to metabolize some PAHs to carcinogenic intermediates. CYP1A1 gene has been associated with lung cancer risk.

**Synonyms:**

Cytochrome P450 1A1, Cytochrome P450-P1, Cytochrome P450 form 6, Cytochrome P450-C

**Product images:**

Western blot analysis of anti-CYP1A1 Antibody (Center) in mouse lung tissue lysates (35ug/lane). CYP1A1 (arrow) was detected using the purified Pab.