

# Cytochrome P450 2A13 Antibody

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP51144

#### **Product Information**

**Application** WB, IP, ICC, IHC-P

Primary Accession
Reactivity
Human
Host
Clonality
Polyclonal
Calculated MW
C16696
Puman
Rabbit
Polyclonal
56688

#### **Additional Information**

**Gene ID** 1553

Other Names Cytochrome P450 2A13, CYPIIA13, CYP2A13

**Target/Specificity** KLH-conjugated synthetic peptide encompassing a sequence within the center

region of human Cytochrome P450 2A13. The exact sequence is proprietary.

**Dilution** WB~~1:1000 IP~~N/A ICC~~N/A IHC-P~~N/A

Format 0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%

**Storage** Store at -20 °C.Stable for 12 months from date of receipt

#### **Protein Information**

Name CYP2A13

**Function** Exhibits a coumarin 7-hydroxylase activity. Active in the metabolic activation

of hexamethylphosphoramide, N,N-dimethylaniline,

2'-methoxyacetophenone, N-nitrosomethylphenylamine, and the tobacco-specific carcinogen, 4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone.

Possesses phenacetin O-deethylation activity.

**Cellular Location** Endoplasmic reticulum membrane; Peripheral membrane protein. Microsome

membrane; Peripheral membrane protein

**Tissue Location** Expressed in liver and a number of extrahepatic tissues, including nasal

mucosa, lung, trachea, brain, mammary gland, prostate, testis, and uterus, but not in heart, kidney, bone marrow, colon, small intestine, spleen,

stomach, thymus, or skeletal muscle

## **Background**

Exhibits a coumarin 7-hydroxylase activity. Active in the metabolic activation of hexamethylphosphoramide, N,N- dimethylaniline, 2'-methoxyacetophenone, N- nitrosomethylphenylamine, and the tobacco-specific carcinogen, 4- (methylnitrosamino)-1-(3-pyridyl)-1-butanone. Possesses phenacetin O-deethylation activity.

### References

Fernandez-Salguero P.,et al.Am. J. Hum. Genet. 57:651-660(1995). Su T.,et al.Cancer Res. 60:5074-5079(2000). Cauffiez C.,et al.Biochem. Biophys. Res. Commun. 317:662-669(2004). DeVore N.M.,et al.Drug Metab. Dispos. 36:2582-2590(2008). Sansen S.,et al.Arch. Biochem. Biophys. 464:197-206(2007).

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