Datasheet for ABIN6258061
anti-CYP2A13 antibody

## 3 Images



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## Overview

| Quantity: | $100 \mu \mathrm{~L}$ |
| :--- | :--- |
| Target: | CYP2A13 |
| Reactivity: | Human, Rat |
| Host: | Rabbit |
| Clonality: | This CYP2A13 antibody is un-conjugated |
| Conjugate: | Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunocytochemistry (ICC) |
| Application: |  |

Product Details

| Immunogen: | A synthesized peptide |
| :--- | :--- |
| Isotype: | IgG |
| Specificity: | Cytochrome P450 2A13 Antibody detects endogenous levels of total Cytochrome P450 2A13 |
| Cross-Reactivity: | Human, Rat (Rattus) <br> Purification: <br> The antiserum was purified by peptide affinity chromatography using SulfoLink ${ }^{\text {TM }}$ Coupling Scientific). |
| Target Details | CYP2A13 |
| Target: | Cytochrome P450 2A13 (CYP2A13 Products) |
| Alternative Name: | Description: Exhibits a coumarin 7-hydroxylase activity. Active in the metabolic activation of |
| Background: |  |

## Target Details

|  | hexamethylphosphoramide, N,N-dimethylaniline, 2'-methoxyacetophenone, Nnitrosomethylphenylamine, and the tobacco-specific carcinogen, 4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone. Possesses phenacetin O-deethylation activity. <br> Gene: CYP2A13 |
| :---: | :---: |
| Molecular Weight: | 56 kDa |
| Gene ID: | 1553 |
| UniProt: | Q16696 |
| Application Details |  |
| Application Notes: | WB 1:500~1:1000, IF/ICC 1:100-1:500 |
| Restrictions: | For Research Use only |
| Handling |  |
| Format: | Liquid |
| Concentration: | $1 \mathrm{mg} / \mathrm{mL}$ |
| Buffer: | Rabbit IgG in phosphate buffered saline, pH 7.4, $150 \mathrm{mM} \mathrm{NaCl}, 0.02 \%$ sodium azide and $50 \%$ glycerol. |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage: | $-20^{\circ} \mathrm{C}$ |
| Storage Comment: | Store at $-20^{\circ} \mathrm{C}$. Stable for 12 months from date of receipt |
| Expiry Date: | 12 months |



## Western Blotting

Image 1. Western blot analysis of extracts from HepG2, using Cytochrome P450 2A13 Antibody. Lane 1 was treated with the antigen-specific peptide.

## Immunofluorescence (fixed cells)

Image 2. ABIN6274644 staining HeLa cells by IF/ICC. The sample were fixed with PFA and permeabilized in $0.1 \%$ Triton X-100,then blocked in $10 \%$ serum for 45 minutes at $25^{\circ} \mathrm{C}$. The primary antibody was diluted at $1 / 200$ and incubated with the sample for 1 hour at $37^{\circ} \mathrm{C}$. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody(Cat.\# S0006), diluted at $1 / 600$, was used as secondary antibody.

## Western Blotting

Image 3. Western blot analysis of extracts from HeLa cells using Cytochrome P450 2A13 antibody. The lane on the left is treated with the antigen-specific peptide.

