

# CYP2A13 Rabbit pAb

CatalogNo: YT1203

## Key Features

### Host Species

- Rabbit

### Reactivity

- Human

### Applications

- WB,IHC,IF,ELISA

### MW

- 56kD (Observed)

### Isotype

- IgG

## Storage

**Storage\*** -15°C to -25°C/1 year(Do not lower than -25°C)

**Formulation** Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

## Recommended Dilution Ratios

**WB 1:500-1:2000**

**IHC 1:100-1:300**

**IF 1:200-1:1000**

**ELISA 1:20000**

**Not yet tested in other applications.**

## Basic Information

**Clonality** Polyclonal

## Immunogen Information

**Immunogen** The antiserum was produced against synthesized peptide derived from human Cytochrome P450 2A13. AA range:311-360

**Specificity** CYP2A13 Polyclonal Antibody detects endogenous levels of CYP2A13 protein.

## Target Information

**Gene name** CYP2A13

**Protein Name** Cytochrome P450 2A13

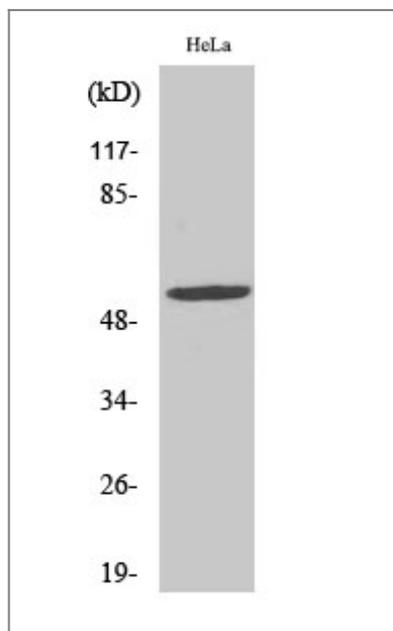
Organism	Gene ID	UniProt ID
Human	<a href="#">1553</a> ;	<a href="#">Q16696</a> ;

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

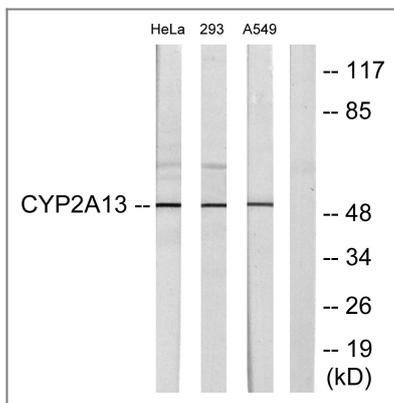
**Tissue specificity** Expressed in liver and a number of extrahepatic tissues, including nasal mucosa, lung, trachea, brain, mammary gland, prostate, testis, and uterus, but not in heart, kidney, bone marrow, colon, small intestine, spleen, stomach, thymus, or skeletal muscle.

**Function** Catalytic activity:RH + reduced flavoprotein + O(2) = ROH + oxidized flavoprotein + H(2)O.,cofactor:Heme group.,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.,online information:CYP2A13 alleles,polymorphism:The frequencies of the Cys-257 allele in white, black, Hispanic, and Asian individuals are 1.9%, 14.4%, 5.8%, and 7.7%, respectively. The Cys-257 variant is 37 to 56% less active than the wild-type Arg-257 protein toward all substrates tested.,similarity:Belongs to the cytochrome P450 family.,tissue specificity: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.,

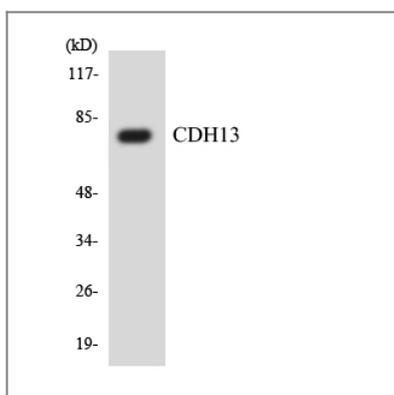
## Validation Data



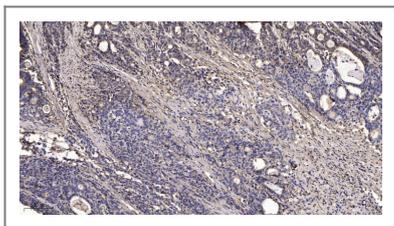
Western Blot analysis of various cells using CYP2A13 Polyclonal Antibody diluted at 1:2000



Western blot analysis of lysates from HeLa, 293, and A549 cells, using Cytochrome P450 2A13 Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from HT-29 cells using CDH13 antibody.



Immunohistochemical analysis of paraffin-embedded human Gastric adenocarcinoma. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).

## Contact information

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Please scan the QR code to access additional product information:  
**CYP2A13 Rabbit pAb**

For Research Use Only. Not for Use in Diagnostic Procedures.

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