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# anti-CYP1A1 antibody (AA 200-460)



Overview

Characteristics:

Purification:

## **Images**



Go to Product page

| Quantity:            | 100 μL                                                                                                                                                                                                                                                                                               |
|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Target:              | CYP1A1                                                                                                                                                                                                                                                                                               |
| Binding Specificity: | AA 200-460                                                                                                                                                                                                                                                                                           |
| Reactivity:          | Human                                                                                                                                                                                                                                                                                                |
| Host:                | Rabbit                                                                                                                                                                                                                                                                                               |
| Clonality:           | Polyclonal                                                                                                                                                                                                                                                                                           |
| Conjugate:           | This CYP1A1 antibody is un-conjugated                                                                                                                                                                                                                                                                |
| Application:         | Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)                                                                                                                                                                                                                           |
| Product Details      |                                                                                                                                                                                                                                                                                                      |
| Immunogen:           | Recombinant fusion protein containing a sequence corresponding to amino acids 200-460 of                                                                                                                                                                                                             |
|                      |                                                                                                                                                                                                                                                                                                      |
|                      | human CYP1A1 (NP_000490.1).                                                                                                                                                                                                                                                                          |
| Sequence:            |                                                                                                                                                                                                                                                                                                      |
| Sequence:            | human CYP1A1 (NP_000490.1).                                                                                                                                                                                                                                                                          |
| Sequence:            | human CYP1A1 (NP_000490.1).  AICFGRRYDH NHQELLSLVN LNNNFGEVVG SGNPADFIPI LRYLPNPSLN AFKDLNEKFY                                                                                                                                                                                                       |
| Sequence:            | human CYP1A1 (NP_000490.1).  AICFGRRYDH NHQELLSLVN LNNNFGEVVG SGNPADFIPI LRYLPNPSLN AFKDLNEKFY SFMQKMVKEH YKTFEKGHIR DITDSLIEHC QEKQLDENAN VQLSDEKIIN IVLDLFGAGF                                                                                                                                     |
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Polyclonal Antibodies

Affinity purification

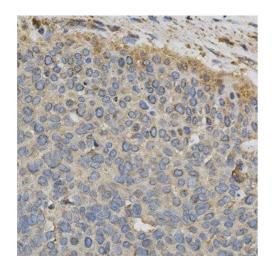
### Target Details

| Target:             | CYP1A1                                                                                          |
|---------------------|-------------------------------------------------------------------------------------------------|
| Alternative Name:   | CYP1A1 (CYP1A1 Products)                                                                        |
| Background:         | This gene, CYP1A1, 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 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. The gene has been associated with lung cancer risk. A related family member,     |
|                     | CYP1A2, is located approximately 25 kb away from CYP1A1 on chromosome 15. Alternative           |
|                     | splicing results in multiple transcript variants encoding distinct                              |
|                     | isoforms.,CYP1A1,AHH,AHRR,CP11,CYP1,CYPIA1,P1-450,P450-C,P450DX,Cancer,Signal                   |
|                     | Transduction,Endocrine & Metabolism,Mitochondrial metabolism,Cytochromes,Lipid                  |
|                     | Metabolism,Cytochromes,Lipases,Drug metabolism,Cardiovascular,Hypoxia,Lipids,CYP1A1             |
| Molecular Weight:   | 18 kDa/20 kDa/58 kDa                                                                            |
| Gene ID:            | 1543                                                                                            |
| UniProt:            | P04798                                                                                          |
| Pathways:           | Steroid Hormone Biosynthesis, Regulation of Lipid Metabolism by PPARalpha                       |
| Application Details |                                                                                                 |
| Application Notes:  | WB,1:500 - 1:2000,IHC,1:50 - 1:200,IF,1:50 - 1:200                                              |
| Restrictions:       | For Research Use only                                                                           |
| Handling            |                                                                                                 |
| Format:             | Liquid                                                                                          |
| Buffer:             | PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.                                             |
| Preservative:       | Sodium azide                                                                                    |
| Precaution of Use:  | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which                   |
|                     | should be handled by trained staff only.                                                        |
| Handling Advice:    | Avoid freeze / thaw cycles                                                                      |
| Storage:            | -20 °C                                                                                          |

Storage Comment:

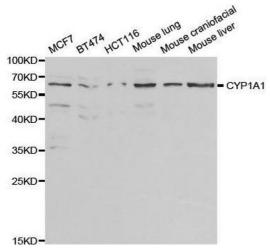
Store at -20°C. Avoid freeze / thaw cycles.

#### **Images**



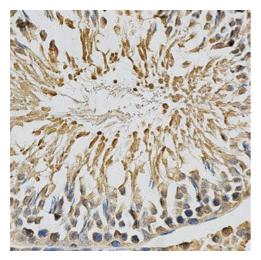
#### **Immunohistochemistry**

Image 1.



#### **Western Blotting**

**Image 2.** Western blot analysis of extracts of various cell lines, using CYP1A1 antibody.



#### **Immunohistochemistry**

Image 3.

Please check the product details page for more images. Overall 8 images are available for ABIN3023076.