

## Rabbit anti-Human, Mouse CYP7A1 Polyclonal Antibody | anti-CYP7A1 antibody

CYP7A1 Polyclonal Antibody

|                               |                       |                                   |                                                    |
|-------------------------------|-----------------------|-----------------------------------|----------------------------------------------------|
| CATALOG #<br><b>AAA169256</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human, Mouse</b> | APPLICATIONS<br><b>Immunohistochemistry, ELISA</b> |
|-------------------------------|-----------------------|-----------------------------------|----------------------------------------------------|

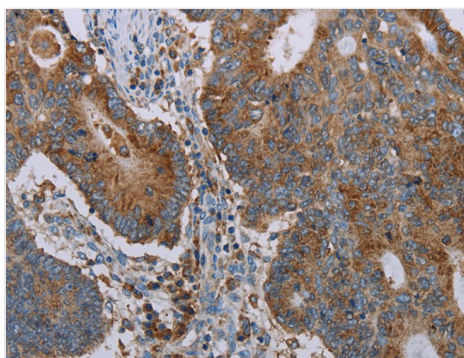
### PRODUCT SYNONYMS

CYP7A1; Polyclonal Antibody; CYP7A1 Polyclonal Antibody; CP7A; CYP7; CYPVII; anti-CYP7A1 antibody

### PRODUCT SPECIFICATIONS

|                                                  |                                                                                           |
|--------------------------------------------------|-------------------------------------------------------------------------------------------|
| Host                                             | Rabbit                                                                                    |
| Reactivity                                       | Human, Mouse                                                                              |
| Clonality                                        | Polyclonal                                                                                |
| Isotype                                          | IgG                                                                                       |
| Purity/Purification                              | Affinity purificati                                                                       |
| Concentration                                    | 1.4mg/mL (varies by lot)                                                                  |
| Sequence Length                                  | 504                                                                                       |
| Applicable Applications for anti-CYP7A1 antibody | IHC (Immunohistochemistry), ELISA                                                         |
| Preparation and Storage                          | Store at -20 degree C (regular) and -80 degree C (long term). Avoid freeze / thaw cycles. |

### IMAGES



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using CYP7A1 Polyclonal Antibody at dilution 1:30

### ADDITIONAL INFORMATION

#### Related Product Information for anti-CYP7A1 antibody

**Background/Introduction:** This gene 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 endoplasmic reticulum membrane protein catalyzes the first reaction in the cholesterol catabolic pathway in the liver, which converts cholesterol to bile acids. This reaction is the rate limiting step and the major site of regulation of bile acid synthesis, which is the primary mechanism for the removal of cholesterol from the body. Polymorphisms in the promoter of this gene are associated with defects in bile acid synthesis.

## NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                        |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 166295200                                                                                                                              |
| NCBI GeneID                      | 1581                                                                                                                                   |
| NCBI Accession #                 | NP_000771.2                                                                                                                            |
| NCBI GenBank Nucleotide #        | NM_000780.3                                                                                                                            |
| NCBI Official Full Name          | cholesterol 7-alpha-monooxygenase                                                                                                      |
| NCBI Official Synonym Full Names | cytochrome P450, family 7, subfamily A, polypeptide 1                                                                                  |
| NCBI Official Symbol             | CYP7A1                                                                                                                                 |
| NCBI Official Synonym Symbols    | CP7A; CYP7; CYPVII                                                                                                                     |
| NCBI Protein Information         | cholesterol 7-alpha-monooxygenase; cholesterol 7-alpha-hydroxylase; cytochrome P450 7A1; cytochrome P450, subfamily VIIA polypeptide 1 |
| UniProt Protein Name             | Cholesterol 7-alpha-monooxygenase                                                                                                      |
| UniProt Gene Name                | <b>CYP7A1</b>                                                                                                                          |
| UniProt Synonym Gene Names       | CYP7                                                                                                                                   |
| UniProt Entry Name               | CP7A1_HUMAN                                                                                                                            |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/cyp7a1-antibody-immunohistochemistry-elisa/169256>