

Datasheet for ABIN7266660
anti-CYP7B1 antibody (AA 200-300)



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1 Image

Overview

| | |
|----------------------|---------------------------------------|
| Quantity: | 100 µL |
| Target: | CYP7B1 |
| Binding Specificity: | AA 200-300 |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This CYP7B1 antibody is un-conjugated |
| Application: | Western Blotting (WB) |

Product Details

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|-------------------|---|
| Purpose: | CYP7B1 Rabbit pAb |
| Immunogen: | A synthetic peptide corresponding to a sequence within amino acids 200-300 of human CYP7B1 (NP_004811.1). |
| Sequence: | VIVCDNNKFI SELRDDFLKF DDKFAYLVSN IPIELLGNVK SIREKIICF SSEKLAKMQG WSEVFQSRQD VLEKYYVHED LEIGAHHLGF LWASVANTIP T |
| Isotype: | IgG |
| Cross-Reactivity: | Human, Mouse, Rat |
| Characteristics: | Polyclonal Antibodies |
| Purification: | Affinity purification |

Target Details

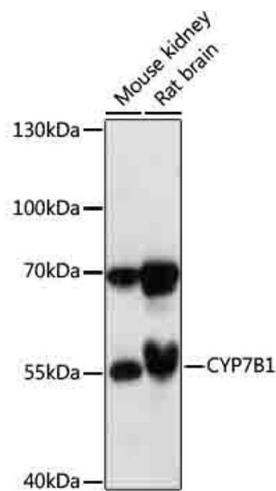
| | |
|-------------------|---|
| Target: | CYP7B1 |
| Alternative Name: | CYP7B1 (CYP7B1 Products) |
| Background: | <p>This gene encodes a member of the cytochrome P450 superfamily of enzymes. The cytochrome P450 proteins are monooxygenases which catalyze many reactions involved in drug metabolism and synthesis of cholesterol, steroids and other lipids. This endoplasmic reticulum membrane protein catalyzes the first reaction in the cholesterol catabolic pathway of extrahepatic tissues, which converts cholesterol to bile acids. This enzyme likely plays a minor role in total bile acid synthesis, but may also be involved in the development of atherosclerosis, neurosteroid metabolism and sex hormone synthesis.,CYP7B1,CBAS3,CP7B,SPG5A,Cancer,Signal Transduction,Endocrine & Metabolism,Lipid Metabolism,Cholesterol Metabolism,Cardiovascular,Heart,Cardiac metabolism,Lipids,CYP7B1</p> |
| Molecular Weight: | 58kDa |
| Gene ID: | 9420 |
| UniProt: | O75881 |
| Pathways: | Intracellular Steroid Hormone Receptor Signaling Pathway , Steroid Hormone Biosynthesis , Regulation of Intracellular Steroid Hormone Receptor Signaling |

Application Details

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|--------------------|-----------------------|
| Application Notes: | WB,1:500 - 1:1000 |
| Restrictions: | For Research Use only |

Handling

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|--------------------|--|
| 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. |
| Storage: | -20 °C |
| Storage Comment: | Store at -20°C. Avoid freeze / thaw cycles. |



Western Blotting

Image 1. Western blot analysis of extracts of various cells, using CYP7B1 antibody (ABIN7266660) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 5 min.