

Datasheet for ABIN656016  
**anti-TBXAS1 antibody (AA 226-257)**[Go to Product page](#)

## 2 Images

## Overview

|                      |  |
|----------------------|--|
| Quantity:            | 400 µL   |
| Target:              | TBXAS1   |
| Binding Specificity: | AA 226-257   |
| Reactivity:          | Mouse  |
| Host:                | Rabbit   |
| Clonality:           | Polyclonal   |
| Conjugate:           | This TBXAS1 antibody is un-conjugated  |
| Application:         | Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)) |

## Product Details

|                       |   |
|-----------------------|---|
| Immunogen:            | This CYP5A1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 226-257 amino acids from the Central region of human CYP5A1. |
| Clone:                | RB17080   |
| Isotype:              | Ig Fraction   |
| Predicted Reactivity: | B, Pr   |
| Purification:         | This antibody is purified through a protein A column, followed by peptide affinity purification.  |

## Target Details

|                   |  |
|-------------------|--|
| Target:           | TBXAS1                                     |
| Alternative Name: | CYP5A1 ( <a href="#">TBXAS1 Products</a> ) |

## Target Details

**Background:** 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. However, this protein is considered a member of the cytochrome P450 superfamily on the basis of sequence similarity rather than functional similarity. This endoplasmic reticulum membrane protein catalyzes the conversion of prostglandin H2 to thromboxane A2, a potent vasoconstrictor and inducer of platelet aggregation. The enzyme plays a role in several pathophysiological processes including hemostasis, cardiovascular disease, and stroke. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.

**Molecular Weight:** 60518

**Gene ID:** 6916

**NCBI Accession:** [NP\\_001052](#), [NP\\_001124438](#), [NP\\_001159726](#)

**UniProt:** [P24557](#)

## Application Details

**Application Notes:** WB: 1:1000. IHC-P: 1:10~50

**Restrictions:** For Research Use only

## Handling

**Format:** Liquid

**Buffer:** Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

**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:** 4 °C, -20 °C

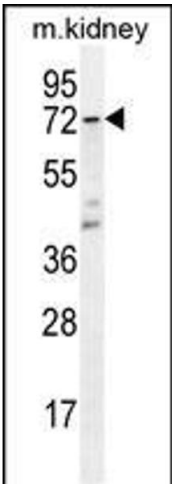
**Storage Comment:** Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.

**Expiry Date:** 6 months



**Immunohistochemistry (Paraffin-embedded Sections)**

**Image 1.** CYP5A1 Antibody (Center) (ABIN656016 and ABIN2845391) immunohistochemistry analysis in formalin fixed and paraffin embedded human lung tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of CYP5A1 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



**Western Blotting**

**Image 2.** CYP5A1 Antibody (Center) (ABIN656016 and ABIN2845391) western blot analysis in mouse kidney tissue lysates (35 µg/lane). This demonstrates the CYP5A1 antibody detected the CYP5A1 protein (arrow).