

Datasheet for ABIN955117

**anti-TBXAS1 antibody (Middle Region)**[Go to Product page](#)**2** Images

## Overview

Quantity:	0.4 mL
Target:	TBXAS1
Binding Specificity:	AA 234-266, Middle Region
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TBXAS1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

## Product Details

Immunogen:	KLH conjugated synthetic peptide between 234-266 amino acids from the Central region of Human CYP5A1. Genename: TBXAS1
Isotype:	Ig Fraction
Specificity:	This antibody recognizes Human and Mouse TBXAS1 (Center).
Purification:	Affinity Chromatography on Protein A

## Target Details

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

## Target Details

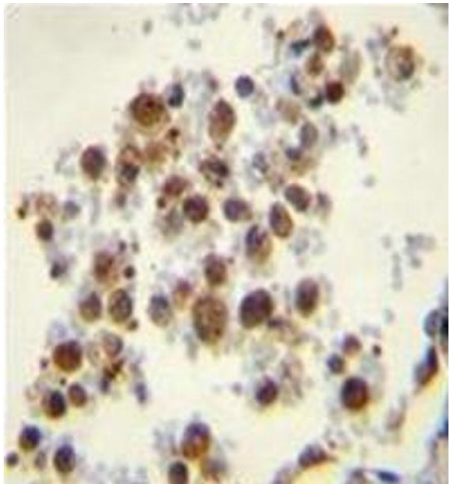
Background:	This gene encodes a member of the cytochrome P450 superfamily of enzymes. The cytochrome P450 proteins are monooxygenases which catalyze many reactions involved in drug metabolism and synthesis of cholesterol, steroids and other lipids. However, this protein is considered a member of the 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.Synonyms: CYP5, CYP5A1, Cytochrome P450 5A1, TXA synthase, TXS, Thromboxane-A synthase
Molecular Weight:	60518 Da
Gene ID:	6916
NCBI Accession:	<a href="#">NP_001052</a>

## Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

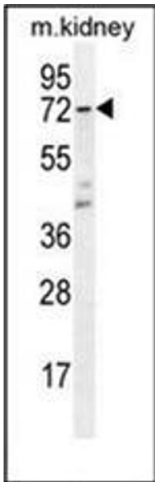
## Handling

Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	PBS, 0.09 % 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.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



**Immunohistochemistry (Paraffin-embedded Sections)**

**Image 1.** Formalin fixed, paraffin embedded human lung tissue stained with TBXAS1 Antibody 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.** Western blot analysis of TBXAS1 Antibody in Mouse kidney tissue lysates (35ug/lane). This demonstrates the CYP5A1 antibody detected the CYP5A1 protein (arrow).