

Datasheet for ABIN499231

**anti-Angiotensin II Type 2 Receptor antibody (Center)****2** Images[Go to Product page](#)

## Overview

Quantity:	0.1 mg
Target:	Angiotensin II Type 2 Receptor (AGTR2)
Binding Specificity:	Center
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Angiotensin II Type 2 Receptor antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

## Product Details

Immunogen:	AGTR2 antibody was raised against a 16 amino acid peptide from near the center of human AGTR2.
Isotype:	IgG
Specificity:	This antibody reacts to AGTR2.
Purification:	Affinity chromatography purified via peptide column

## Target Details

Target:	Angiotensin II Type 2 Receptor (AGTR2)
Alternative Name:	Type-2 Angiotensin II Receptor (AT2) ( <a href="#">AGTR2 Products</a> )

## Target Details

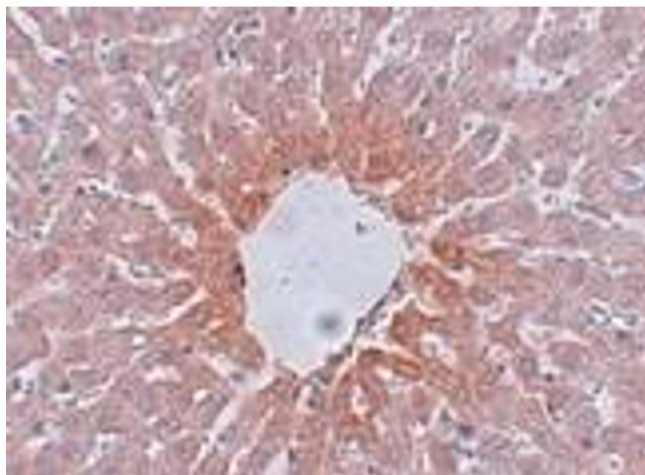
Background:	Angiotensin II is a potent vasopressor hormone and a primary regulator of aldosterone secretion that acts through at least two types of receptors, AGTR1 and AGTR2. It is an important effector controlling blood pressure and volume in the cardiovascular system and plays a major role in the development of the mammalian kidney and urinary tract. Like AGTR1, AGTR2 is a seven transmembrane G protein-coupled receptor (GPCR), but AGTR2 does not demonstrate most of the classic features of GPCR signaling. AGTR2 is involved in a wide range of activities, including the induction of neurite outgrowth and the inhibition of cellular proliferation, in addition to the known function of mediation of vasoconstriction.Synonyms: AGTR2
Gene ID:	186
UniProt:	<a href="#">P50052</a>
Pathways:	<a href="#">ACE Inhibitor Pathway</a> , <a href="#">Hormone Transport</a> , <a href="#">Regulation of Systemic Arterial Blood Pressure by Hormones</a>

## Application Details

Application Notes:	ELISA. Western Blot: AGTR2 antibody can be used for detection of AGTR2 at 0.5 - 1 µg/mL. Immunohistochemistry. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Restrictions:	For Research Use only

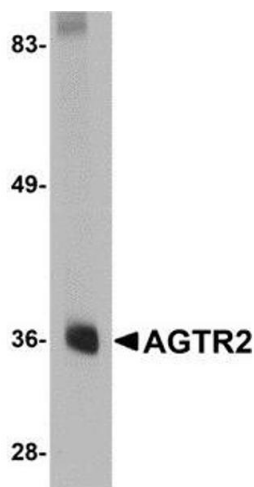
## Handling

Buffer:	PBS containing 0.02 % 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
Storage Comment:	Store the antibody undiluted at 2-8 °C.



#### Immunohistochemistry (Paraffin-embedded Sections)

**Image 1.** Immunohistochemistry of AGTR2 in rat liver tissue with AGTR2 antibody at 5  $\mu$ g/ml.



#### Western Blotting

**Image 2.** Western blot analysis of AGTR2 in mouse liver tissue lysate with AP30027PU-N AGTR2 antibody at 0.5  $\mu$ g/ml.