

Datasheet for ABIN3029946  
**anti-ANG2 antibody (AA 19-348)**[Go to Product page](#)

## 5 Images

## Overview

Quantity:	100 µg
Target:	ANG2
Binding Specificity:	AA 19-348
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ANG2 antibody is un-conjugated
Application:	Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

## Product Details

Immunogen:	Human partial recombinant protein (AA 19-348) was used as the immunogen for this ANG2 antibody.
Isotype:	IgG
Purification:	Antigen affinity

## Target Details

Target:	ANG2
Alternative Name:	ANG2 ( <a href="#">ANG2 Products</a> )
Background:	Angiopoietin 2, also known as ANG2, is a protein that in humans is encoded by the ANGPT2 gene. It is mapped to 8p23.1. ANGPT2 is a naturally occurring antagonist of ANGPT1 that competes for binding to the TIE2 receptor and blocks ANGPT1-induced TIE2

## Target Details

autophosphorylation during vasculogenesis. The encoded protein disrupts the vascular remodeling ability of ANGPT1 and may induce endothelial cell apoptosis. ANGPT2 was significantly increased in plasma and alveolar edema fluid in adults with acute lung injury compared to controls or patients with hydrostatic pulmonary edema, tracheal. ANGPT2 was also significantly increased in neonates with respiratory distress syndrome who developed bronchopulmonary edema. It is also a mediator of epithelial necrosis with an important role in hyperoxic acute lung injury and pulmonary edema.

Gene ID: 285

Pathways: [Carbohydrate Homeostasis](#)

## Application Details

Application Notes: The stated application concentrations are suggested starting amounts. Titration of the ANG2 antibody may be required due to differences in protocols and secondary/substrate sensitivity.\.

IHC (Paraffin): 0.5-1 µg/mL

Restrictions: For Research Use only

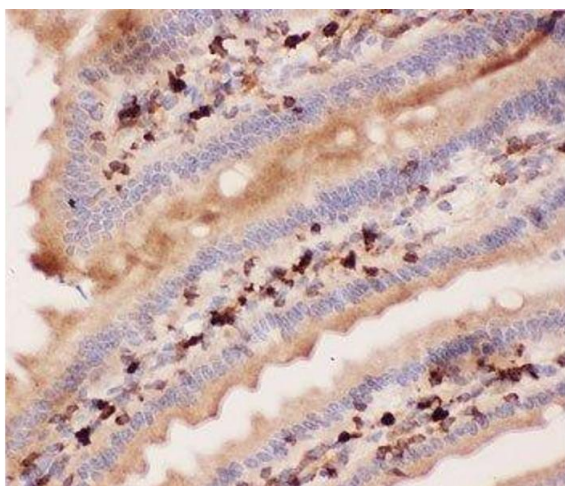
## Handling

Buffer: 0.5 mg/mL if reconstituted with 0.2 mL sterile DI water

Storage: -20 °C

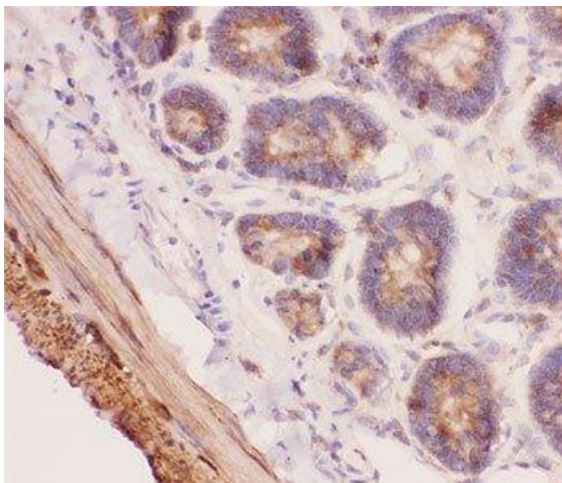
Storage Comment: After reconstitution, the ANG2 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.

## Images



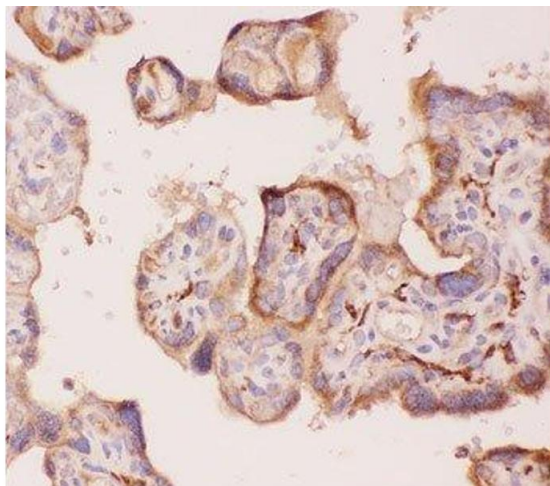
### Immunohistochemistry

**Image 1.** IHC-P: ANG2 antibody testing of mouse intestine tissue



#### Immunohistochemistry

**Image 2.** IHC-P: ANG2 antibody testing of rat intestine tissue



#### Immunohistochemistry

**Image 3.** IHC-P: ANG2 antibody testing of human placenta tissue

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN3029946.