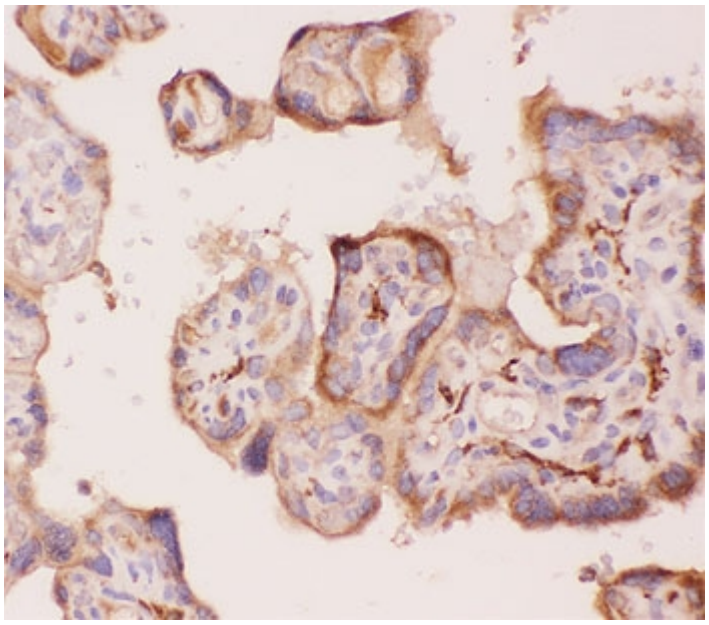
ANG2 Antibody (R30139)

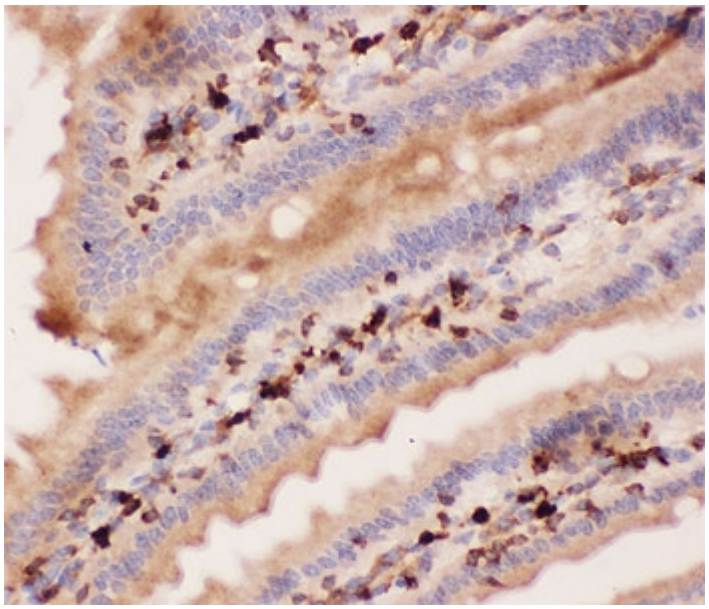
Catalog No.	Formulation	Size
R30139	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

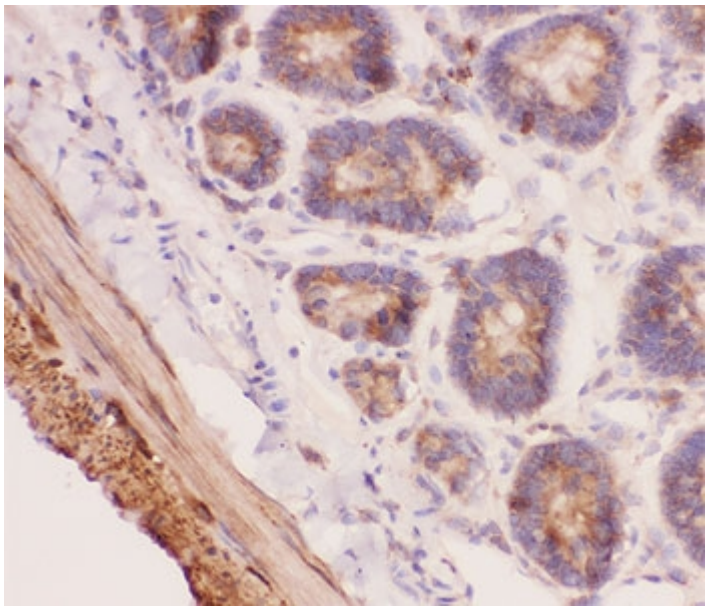
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide
Gene ID	285
Applications	Immunohistochemistry (FFPE) : 0.5-1ug/ml
Limitations	This ANG2 antibody is available for research use only.



IHC-P: ANG2 antibody testing of human placenta tissue



IHC-P: ANG2 antibody testing of mouse intestine tissue



IHC-P: ANG2 antibody testing of rat intestine tissue

Description

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 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.

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.

Immunogen

Human partial recombinant protein (AA 19-348) was used as the immunogen for this ANG2 antibody.

Storage

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