

Rabbit Anti-Bovine Angiopoietin 1 (ANG1) Polyclonal Antibody

Cat. No.: VD11N396

Product Type: Animal-targeted Antibodies

Size: 100 µg; 200 µg; 1 mg

Product Overview

BioVenic rabbit polyclonal antibody is specific for bovine angiopoietin 1. It is affinity purified by protein G. It can be applied to ELISA assay of bovine angiopoietin 1.

Specifications

Application	ELISA
Clonality	Polyclonal
Classification	Primary Antibody
Clone	D25N28
Host	Rabbit
Target Species	Bovine
Species Reactivity	Bovine
Specificity	Bovine Angiopoietin 1
Isotype	IgG
Immunogen	Recombinant protein of angiopoietin 1
Purification	Protein G Purified
Purity	> 95%
Conjugation	Unconjugated
Preservative and Stabilizer	0.03% Proclin 300
Buffer	0.01M Phosphate Buffered Saline, pH 7.4, 50% Glycerol
Physical State	Liquid

Target Information

Bovine angiopoietin 1 (Ang-1) is a critical growth factor that acts on the Tie receptor family, predominantly expressed in endothelial cells and crucial for vascular development and homeostasis. It plays a significant role in angiogenesis, the maturation of newly-for

med vessels, and the maintenance of vascular integrity. Ang-1 is known for its vascular protective effects, such as suppressing plasma leakage, inhibiting vascular inflammation, and preventing endothelial cell death. It also has the potential to regulate microvascular reactivity and protect the microcirculation during acute endothelial dysfunction through the eNOS and VE-cadherin signaling pathways.

Target	Bovine Angiopoietin 1
Target Synonym	ANG1
Gene ID	282140
UniProt ID	Q18920

Shipping and Storage

This product is shipped with wet ice packs. Store at -20°C on receipt (up to 12 months). Avoid repeated freezing and thawing as this may denature the antibody.

Reference

Nguyen, Vicky PKH, *et al.* "Differential response of lymphatic, venous and arterial endothelial cells to angiopoietin-1 and angiopoietin-2." *BMC cell biology* 8 (2007): 1-16.

The product is for research use only. Not for commercial, prophylactic, diagnostic, or therapeutic applications. Please determine the purpose of the product before purchasing. For further information and inquiry, please contact us.