

Rabbit Anti-Porcine Alpha-1-Acid Glycoprotein (a1AGP) Polyclonal Antibody

Cat. No.: VD1N109

Product Type: Animal-targeted Antibodies

Size: 100 µL; 200 µL; 1 mL

Product Overview

BioVenic rabbit polyclonal antibody is specific for porcine alpha-1-acid glycoprotein. It is affinity purified by protein A. It can be applied to WB, IHC, ICC and IP assays of porcine alpha-1-acid glycoprotein.

Specifications

Application	WB; IHC; ICC; IP
Clonality	Polyclonal
Classification	Primary Antibody
Clone	A2N51
Host	Rabbit
Target Species	Porcine
Species Reactivity	Porcine
Specificity	Porcine Alpha-1-Acid Glycoprotein
Isotype	IgG
Immunogen	Recombinant protein of porcine alpha-1-acid glycoprotein
Purification	Protein A Purified
Concentration	0.5 mg/mL
Conjugation	Unconjugated
Preservative and Stabilizer	0.05% Proclin 300
Buffer	0.01M Phosphate Buffered Saline, pH 7.4, with 50% Glycerol
Physical State	Liquid

Target Information

Porcine alpha-1-acid glycoprotein (a1AGP), also known as orosomucoid, is a highly glycosylated plasma protein primarily synthesized in the liver. It has a molecular weight of approximately 44 kDa and is characterized by its high sialic acid content, which contrib

utes to its negative charge. a1AGP is a member of the lipocalin family and is known for its ability to bind small lipophilic molecules. In pigs, a1AGP is developmentally regulated, with high expression in the fetus and newborn, decreasing significantly in adults. This protein is unique in its role as a negative acute phase protein, contrasting with other species where it is typically a positive acute phase protein.

Target	Porcine Alpha-1-Acid Glycoprotein
Target Synonym	AGP1; a1-AGP; ORM1; OMD 1; Orosomucoid 1

Shipping and Storage

This product is shipped with wet ice packs. Store at -20°C on receipt (up to 2 years). Avoid repeated freezing and thawing as this may denature the antibody.

Reference

Heegaard, Peter MH, *et al.* "Pig α 1-acid glycoprotein: characterization and first description in any species as a negative acute phase protein." *PLoS One* 8.7 (2013): e68110.

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.