

Rabbit Anti-Sheep Glyceraldehyde-3-Phosphate Dehydrogenase (GAPDH) Polyclonal Antibody

Cat. No.: VD8N13

Product Type: Animal-targeted Antibodies

Size: 20uL; 50uL; 100uL

Product Overview

BioVenic rabbit polyclonal antibody is specific for sheep glyceraldehyde-3-phosphate dehydrogenase. It can be applied to WB, IHC and IF assays of sheep glyceraldehyde-3-phosphate dehydrogenase.

Specifications

Application	WB; IHC; IF
Clonality	Polyclonal
Classification	Primary Antibody
Clone	G2N13
Host	Rabbit
Target Species	Sheep
Species Reactivity	Sheep
Specificity	Sheep Glyceraldehyde-3-Phosphate Dehydrogenase
Isotype	IgG
Immunogen	Recombinant protein of glyceraldehyde-3-phosphate dehydrogenase
Conjugation	Unconjugated
Physical State	Liquid

Target Information

GAPDH, or glyceraldehyde-3-phosphate dehydrogenase, is a key enzyme in the glycolytic pathway, catalyzing the oxidation of glyceraldehyde-3-phosphate to 1,3-bisphosphoglycerate. This reaction is a crucial step in energy production through glycolysis, providing substrates for the Krebs cycle and the electron transport chain, ultimately generating ATP. GAPDH is highly conserved across different species, from bacteria to humans, indicating its essential role in cellular metabolism. Due to its ubiquitous expression and consistent levels in various tissues, GAPDH is commonly used as a loading control in molecular biology experiments, such as Western blotting and RT-qPCR, to normalize for variations in sample quantity and quality.

Target	Sheep Glyceraldehyde-3-Phosphate Dehydrogenase
Target Synonym	GAPDH
Gene ID	443005
UniProt ID	Q28554

Shipping and Storage

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

Reference

McAlister, L., *et al.* "Differential expression of the three yeast glyceraldehyde-3-phosphate dehydrogenase genes." *Journal of Biological Chemistry* 260.28 (1985): 15019-15027.

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.