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Rabbit Anti-Sheep Actin Beta Polyclonal Antibody

Cat. No.: VD8N9

Product Type: Animal-targeted Antibodies

Size: 20uL; 50uL; 100uL

Product Overview

BioVenic rabbit polyclonal antibody is specific for sheep actin beta. It can be applied to WB and IHC assays of sheep actin beta.

Specifications

Application	WB; IHC
Clonality	Polyclonal
Classification	Primary Antibody
Clone	G2N9
Host	Rabbit
Target Species	Sheep
Species Reactivity	Sheep
Specificity	Sheep Actin Beta
Isotype	IgG
Immunogen	Recombinant protein of actin cytoplasmic 1
Concentration	1 mg/mL
Conjugation	Unconjugated
Physical State	Liquid

Target Information

Beta-actin is a highly conserved protein found in all eukaryotic cells, making it an essential part of the cellular infrastructure. It plays a pivotal role in maintaining cell shape, facilitating muscle contraction, and enabling cell movement and motility. As a subunit of mic rofilaments, Beta Actin polymerizes to form actin filaments, which interact with myosin to generate force and movement. Due to its consistent expression across different cell types, Beta-actin is commonly used as a loading control in molecular biology experiment s, such as Western blotting and RT-qPCR. It serves as a reliable internal standard for normalizing experimental data, ensuring the accuracy of results when comparing expression levels of other proteins.

Target	Sheep Actin Beta

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Target Synonym	ACTB
Gene ID	443052
UniProt ID	P60713

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

Johansson, Magnus, *et al*. "Glutathionylation of beta-actin via a cysteinyl sulfenic acid intermediary." *BMC biochemistry* 8 (2007): 1-7.

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.

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