

Mouse Anti-Bovine Nucleophosmin (B23) Monoclonal Antibody

Cat. No.: VD8N50

Product Type: Animal-targeted Antibodies

Size: 50uL; 100uL

Product Overview

BioVenic mouse monoclonal antibody is specific for bovine nucleophosmin. It can be applied to WB, IF and ICC assays of bovine nucleophosmin.

Specifications

Application	WB; IF; ICC
Clonality	Monoclonal
Classification	Primary Antibody
Clone	G3N14
Host	Mouse
Target Species	Bovine
Species Reactivity	Bovine
Specificity	Bovine Nucleophosmin
Isotype	IgG
Immunogen	Purified recombinant bovine B23 protein fragments
Concentration	1 mg/mL
Conjugation	Unconjugated
Physical State	Liquid

Target Information

B23, or nucleophosmin (NPM1), is an abundant nucleolar protein that plays a critical role in the maintenance of genomic stability and regulation of apoptosis. It is implicated in several pathways, such as mRNA transport, chromatin remodeling, and cell proliferation. NPM1 functions not only as a proto-oncogene but also has been reported to act as a tumor suppressor. Its multifunctional role within the cell makes it a significant player in various DNA repair pathways. NPM1 is also involved in the regulation of rRNA synthesis and serves as a histone chaperone, participating in chromatin remodeling and transcription regulation. Mutations and dysregulation

of NPM1 have been associated with several types of cancer, making it a target of interest for cancer research and potential therapeutic intervention .

Target	Bovine Nucleophosmin
Target Synonym	NPM1
Gene ID	614028
UniProt ID	Q3T160

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

Box, Joseph K., *et al.* "Nucleophosmin: from structure and function to disease development." *BMC molecular biology* 17 (2016): 1-12.

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.