

Rabbit Anti-Bovine Tubulin Beta Polyclonal Antibody

Cat. No.: VD8N7

Product Type: Animal-targeted Antibodies

Size: 20uL; 50uL; 100uL

Product Overview

BioVenic rabbit polyclonal antibody is specific for bovine tubulin beta. It can be applied to WB, IHC, IF and ELISA assays of bovine tubulin beta.

Specifications

Application	WB; IHC; IF; ELISA
Clonality	Polyclonal
Classification	Primary Antibody
Clone	G2N7
Host	Rabbit
Target Species	Bovine
Species Reactivity	Bovine
Specificity	Bovine Tubulin Beta
Isotype	IgG
Immunogen	Synthesized peptide derived from bovine tubulin beta
Concentration	1 mg/mL
Conjugation	Unconjugated
Physical State	Liquid

Target Information

Beta-tubulin, a subunit of the tubulin family, is a critical structural protein that heterodimerizes with alpha-tubulin to form the microtubules essential for a myriad of cellular processes. These microtubules serve as the cellular scaffold, facilitating intracellular transport, maintaining cell shape, and segregating chromosomes during cell division. Beta-tubulin is highly conserved across eukaryotic organisms, reflecting its fundamental role in cell biology. The dynamic nature of microtubules, characterized by their rapid assembly and disassembly, is regulated by various cellular signals and environmental cues. Beta-tubulin, along with alpha-tubulin, is a target f

or several antimitotic drugs used in cancer therapy, such as taxanes and vinca alkaloids, which stabilize or disrupt microtubules, respectively, leading to the inhibition of cell proliferation.

Target	Bovine Tubulin Beta
Target Synonym	TUBB3
UniProt ID	Q8J1R4

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

Díaz-Nido, Javier, *et al.* "Phosphorylation of a neuronal-specific beta-tubulin isotype." *Journal of Biological Chemistry* 265.23 (1990): 13949-13954.

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.