

Mouse Anti-Porcine Tubulin Polymerization Promoting Protein (TPPP) Monoclonal Antibody

Cat. No.: VD10N194

Product Type: Animal-targeted Antibodies

Size: 100ug

Product Overview

BioVenic mouse monoclonal antibody is specific for tubulin polymerization promoting protein. It is affinity purified by protein A. It can be applied to WB and Indirect ELISA assays of tubulin polymerization promoting protein.

Specifications

Application	WB; Indirect ELISA
Clonality	Monoclonal
Classification	Primary Antibody
Clone	O13N42
Host	Mouse
Target Species	Porcine
Species Reactivity	Porcine
Specificity	Tubulin Polymerization Promoting Protein
Isotype	IgG2
Immunogen	Recombinant protein of tubulin polymerization promoting protein
Purification	Protein A Purified
Concentration	1 mg/ml
Conjugation	Unconjugated
Buffer	Phosphate Buffered Saline
Physical State	Liquid

Target Information

Porcine tubulin polymerization promoting protein (TPPP), also known as p25, is an important regulator of microtubule dynamics. It interacts directly with tubulin to promote microtubule assembly and stabilize the microtubule network, which is crucial for various cellular processes including cell division, intracellular transport, and maintenance of cell shape. TPPP is a brain-specific protein that is

enriched in pathological brain inclusions and has been implicated in neurodegenerative diseases. It can induce the formation of double-walled microtubules and aberrant tubulin aggregates, indicating its significant role in the regulation of the cytoskeleton.

Target	Tubulin Polymerization Promoting Protein
Target Synonym	25 kDa brain specific protein
Gene ID	100144410
UniProt ID	A0A286ZLY5

Shipping and Storage

This product is shipped with ice gel packs. Store at -80°C on receipt.

Reference

Oláh, Judit, *et al.* "Interactions of pathological hallmark proteins: Tubulin polymerization promoting protein/p25, β -amyloid, and α -synuclein." *Journal of Biological Chemistry* 286.39 (2011): 34088-34100.

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