

Mouse Anti-Rat Tumor Protein p53 (P53) Monoclonal Antibody

Cat. No.: VD2N250

Product Type: Animal-targeted Antibodies

Size: 100 µL; 200 µL; 1 mL

Product Overview

BioVenic mouse monoclonal antibody is specific for rat tumor protein p53. It is affinity purified by protein A and protein G . It can be applied to WB, IHC, ICC and IP assays of rat tumor protein p53.

Specifications

Application	WB; IHC; ICC; IP
Clonality	Monoclonal
Classification	Primary Antibody
Clone	A22N21
Host	Mouse
Target Species	Rat
Species Reactivity	Rat
Specificity	Rat Tumor Protein p53
Isotype	IgG1
Immunogen	Recombinant protein of rat tumor protein p53
Purification	Purified by Protein A and Protein G
Concentration	1 mg/mL
Conjugation	Unconjugated
Preservative and Stabilizer	0.05% Proclin 300
Buffer	0.01M Phosphate Buffered Saline, pH 7.4, with 50% Glycerol
Physical State	Liquid

Target Information

Rat Tumor Protein p53 (p53) is a critical transcription factor encoded by the Tp53 gene, which responds to various cellular stresses to regulate genes involved in cell cycle arrest, apoptosis, senescence, and DNA repair. It plays a central role in maintaining genomic

c stability and preventing tumorigenesis. p53 is typically stabilized and accumulates in response to DNA damage, where it binds to specific DNA sequences to activate target genes. Mutations in the Tp53 gene are frequently associated with cancer development, highlighting its importance as a tumor suppressor.

Target	Rat Tumor Protein p53
Target Synonym	TP53; LFS1; TRP53; Li-Fraumeni Syndrome; Cellular tumor antigen p53; Antigen N Y-CO-13; Phosphoprotein p53; Tumor suppressor p53
Gene ID	24842
UniProt ID	P10361

Shipping and Storage

This product is shipped with wet ice packs. Store at -20°C on receipt (up to 2 years). Avoid repeated freezing and thawing as this may denature the antibody.

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.