

Mouse Anti-Porcine Heterogeneous Nuclear Ribonucleoprotein D (HNRNPD) Monoclonal Antibody

Cat. No.: VD10N24

Product Type: Animal-targeted Antibodies

Size: 100ug

Product Overview

BioVenic mouse monoclonal antibody is specific for heterogeneous nuclear ribonucleoprotein D. It is affinity purified by protein A. It can be applied to WB, IF, IHC and ELISA assays of heterogeneous nuclear ribonucleoprotein D.

Specifications

Application	WB; IF; IHC; ELISA
Clonality	Monoclonal
Classification	Primary Antibody
Clone	O11N24
Host	Mouse
Target Species	Porcine
Species Reactivity	Porcine
Specificity	Heterogeneous Nuclear Ribonucleoprotein D
Isotype	IgG2
Immunogen	Recombinant protein of heterogeneous nuclear ribonucleoprotein D
Purification	Protein A Purified
Concentration	1 mg/mL
Conjugation	Unconjugated
Buffer	Phosphate Buffered Saline
Physical State	Liquid

Target Information

Porcine heterogeneous nuclear ribonucleoprotein D (HNRNPD), also known as AUF1, is a multifunctional RNA-binding protein that plays a critical role in post-transcriptional regulation of gene expression. It is heavily involved in the control of mRNA stability and translation, with a significant impact on various cellular processes such as cell cycle regulation, proliferation, and response to stress.

Recent studies have highlighted the association of HNRNPD with poor prognosis in oral cancer, indicating its potential as a therapeutic target. The protein's function extends beyond RNA metabolism, as it has been shown to interact with other proteins and influence cellular networks related to DNA repair, replication, chromatin remodeling, and cellular proliferation. In pigs, HNRNPD may serve as a significant factor in the development and progression of diseases, particularly those with a neoplastic basis. Its overexpression has been noted in precancerous conditions and is linked to the deregulation of key cellular mRNAs, including those of c-myc, c-jun, and tumor necrosis factor- α (TNF- α), which are known to promote tumorigenesis. The protein's ability to activate the transcription promoter for the telomerase catalytic subunit _TERT_ also suggests a role in maintaining telomere length and attenuating inflammatory cytokine expression.

Target	Heterogeneous Nuclear Ribonucleoprotein D
Target Synonym	AUF1
Gene ID	100512244
UniProt ID	A0A4X1TAE1

Shipping and Storage

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

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.