

Mouse Anti-Porcine STAT3 Monoclonal Antibody

Cat. No.: VD12N291

Product Type: Animal-targeted Antibodies

Size: 100 µL

Product Overview

BioVenic mouse monoclonal antibody is specific for porcine signal transducer and activator of transcription 3. It is purified by affinity chromatography. It can be applied to WB assay of porcine signal transducer and activator of transcription 3.

Specifications

Application	WB
Clonality	Monoclonal
Classification	Primary Antibody
Clone	M4N12
Host	Mouse
Target Species	Porcine
Species Reactivity	Porcine
Specificity	Porcine Signal Transducer and Activator of Transcription 3
Isotype	IgG
Immunogen	Synthesized peptide of signal transducer and activator of transcription 3
Purification	Purified by Affinity Chromatography
Concentration	1 mg/mL
Conjugation	Unconjugated
Preservative and Stabilizer	0.02% Sodium Azide
Buffer	Phosphate Buffered Saline with 50% Glycerol and 0.5% BSA
Physical State	Liquid

Target Information

Porcine STAT3 (Signal Transducer and Activator of Transcription 3) is a key regulatory protein involved in transmitting signals from the cell surface to the nucleus. It is encoded by the STAT3 gene and shares high homology with its human and murine counterpart

s, with 93% and 90% sequence identity, respectively. This protein is responsive to various stimuli, including growth factors and cytokines, which trigger its phosphorylation and activation. Once activated, porcine STAT3 translocates to the nucleus, where it modulates the transcription of target genes involved in cell cycle progression, apoptosis, and immune function. STAT3 is also known to inhibit apoptosis and promote cell proliferation in ovarian granulosa cells.

Target	Porcine Signal Transducer and Activator of Transcription 3
Target Synonym	STAT3
Gene ID	733648
UniProt ID	Q19S50

Shipping and Storage

This product is shipped with wet ice packs. Store at -20°C on receipt (up to 12 months). Avoid repeated freezing and thawing as this may denature the antibody.

Reference

Nan, Yuchen, *et al.* "Interplay between Janus kinase/signal transducer and activator of transcription signaling activated by type I interferons and viral antagonism." *Frontiers in immunology* 8 (2017): 1758.

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.