

Mouse Anti-Porcine Huntingtin Interacting Protein 1 (HIP1) Monoclonal Antibody

Cat. No.: VD10N34

Product Type: Animal-targeted Antibodies

Size: 100ug

Product Overview

BioVenic mouse monoclonal antibody is specific for huntingtin interacting protein 1. It is affinity purified by protein G. It can be applied to WB, IF, IHC and Indirect ELISA assays of huntingtin interacting protein 1.

Specifications

Application	WB; IF; IHC; Indirect ELISA
Clonality	Monoclonal
Classification	Primary Antibody
Clone	O11N34
Host	Mouse
Target Species	Porcine
Species Reactivity	Porcine
Specificity	Huntingtin Interacting Protein 1
Isotype	IgG1
Immunogen	Recombinant protein of huntingtin interacting protein 1
Purification	Protein G Purified
Concentration	1 mg/mL
Conjugation	Unconjugated
Buffer	Phosphate Buffered Saline
Physical State	Liquid

Target Information

Porcine huntingtin interacting protein 1 (HIP1) is a crucial protein that interacts with the huntingtin protein (HTT), which is associated with Huntington's disease (HD). HIP1 plays a significant role in intracellular transport and receptor endocytosis, and its interaction with HTT is implicated in the pathology of HD. The normal HTT-HIP1 interaction is essential for maintaining cellular functions, and its disruption in HD may lead to cytoskeletal defects and impaired membrane receptor trafficking in the brain, ultimately contributing to

o neuronal cell death. In pigs, HIP1 may serve as a key factor in the development and progression of HD-like symptoms, providing a valuable large animal model for studying the disease. The interaction between HTT and HIP1 is crucial for various cellular functions, and the disruption caused by the mutation in HTT can affect the function of both proteins. HIP1 has also been implicated in other medical conditions, including tumorigenesis and rheumatoid arthritis, highlighting its broad implications in health and disease.

Target	Huntingtin Interacting Protein 1
Target Synonym	HIP 1
Gene ID	100523598
UniProt ID	A0A8W4FBQ5

Shipping and Storage

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

Reference

Hackam, Abigail S., *et al.* "Huntingtin interacting protein 1 induces apoptosis via a novel caspase-dependent death effector domain." *Journal of Biological Chemistry* 275.52 (2000): 41299-41308.

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