

Mouse Anti-Canine EIF2S1 Monoclonal Antibody

Cat. No.: VD12N313

Product Type: Animal-targeted Antibodies

Size: 100 µL

Product Overview

BioVenic mouse monoclonal antibody is specific for canine eukaryotic translation initiation factor 2 subunit 1. It is purified by affinity chromatography. It can be applied to WB assay of canine eukaryotic translation initiation factor 2 subunit 1.

Specifications

Application	WB
Clonality	Monoclonal
Classification	Primary Antibody
Clone	M4N34
Host	Mouse
Target Species	Canine
Species Reactivity	Canine
Specificity	Canine Eukaryotic Translation Initiation Factor 2 Subunit 1
Isotype	IgG
Immunogen	Synthesized peptide of eukaryotic translation initiation factor 2 subunit 1
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

Canine EIF2S1 (eukaryotic translation initiation factor 2 subunit alpha) is a key component of the eIF2 complex, which catalyzes the first regulated step of protein synthesis initiation. It promotes the binding of initiator tRNA to the 40S ribosomal subunit as part of

a ternary complex with GTP. EIF2S1 is regulated by phosphorylation, which affects its activity and the overall translation process. This protein is essential for cellular stress responses and is involved in pathways such as PI3K/Akt and mTOR signaling.

Target	Canine Eukaryotic Translation Initiation Factor 2 Subunit 1
Target Synonym	EIF2S1
Gene ID	480361
UniProt ID	A0A8I3MV19

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.

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.