

Rabbit Anti-Mouse Semaphorin 3E (SEMA3E) Polyclonal Antibody

Cat. No.: VD1N172

Product Type: Animal-targeted Antibodies

Size: 100 µL; 200 µL; 1 mL

Product Overview

BioVenic rabbit polyclonal antibody is specific for mouse semaphorin 3E. It is affinity purified by protein A. It can be applied to WB, IHC, ICC and IP assays of mouse semaphorin 3E.

Specifications

Application	WB; IHC; ICC; IP
Clonality	Polyclonal
Classification	Primary Antibody
Clone	A3N30
Host	Rabbit
Target Species	Mouse
Species Reactivity	Mouse
Specificity	Mouse Semaphorin 3E
Isotype	IgG
Immunogen	Recombinant protein of mouse semaphorin 3E
Purification	Protein A Purified
Concentration	1 mg/mL
Conjugation	Unconjugated
Preservative and Stabilizer	0.02% Sodium Azide
Buffer	Phosphate Buffered Saline, pH 7.4, with 50% Glycerol
Physical State	Liquid

Target Information

Mouse Semaphorin 3E (SEMA3E) is a secreted protein that belongs to the semaphorin family. It plays a critical role in axon guidance during neuronal development by repelling axonal growth cones. SEMA3E acts through its receptor Plexin-D1, which is expressed

d on the surface of neurons and endothelial cells. This interaction modulates cytoskeletal dynamics, influencing neuronal pathfinding and vascular development. SEMA3E is also involved in immune cell migration and angiogenesis, making it an important regulator of both nervous and vascular systems.

Target	Mouse Semaphorin 3E
Target Synonym	SEMAH; M-SemaK; M-sema H; coll-5; Sema Domain Immunoglobulin Domain(Ig) Transmembrane Domain(TM)and Short Cytoplasmic Domain 3E
Gene ID	20349
UniProt ID	P70275

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.

Reference

Klagsbrun, Michael, and Akio Shimizu. "Semaphorin 3E, an exception to the rule." *The Journal of clinical investigation* 120.8 (2010): 2658-2660.

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.