

Datasheet for ABIN6719618
anti-SEMA3C antibody (AA 24-674)



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Overview

Quantity:	100 µg
Target:	SEMA3C
Binding Specificity:	AA 24-674
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SEMA3C antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Purpose:	Anti-Semaphorin 3c/SEMA3C Antibody Picoband®
Immunogen:	E.coli-derived human Semaphorin 3c/SEMA3C recombinant protein (Position: Q24-W674).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-Semaphorin 3c/SEMA3C Antibody Picoband® (ABIN6719618). Tested in ELISA, WB applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

Target Details

Target:	SEMA3C
Alternative Name:	SEMA3C (SEMA3C Products)
Background:	Synonyms: Semaphorin-3C, Semaphorin-E, Sema E, SEMA3C, SEMAE Tissue Specificity: Expressed intensely in the heart, skeletal muscle, colon, small intestine, ovary, testis, and prostate. Faint expression ubiquitously among other organs, including brain. Background: Semaphorin-3C is a protein that in humans is encoded by the SEMA3C gene. This gene encodes a secreted glycoprotein that belongs to the semaphorin class 3 family of neuronal guidance cues. The encoded protein contains an N-terminal sema domain, integrin and immunoglobulin-like domains, and a C-terminal basic domain. Homodimerization and proteolytic cleavage of the C-terminal propeptide are necessary for the function of the encoded protein. It binds a neuropilin co-receptor before forming a heterotrimeric complex with an associated plexin. An increase in the expression of this gene correlates with an increase in cancer cell invasion and adhesion. Naturally occurring mutations in this gene are associated with Hirschsprung disease.
Molecular Weight:	85 kDa
Gene ID:	10512
UniProt:	Q99985

Application Details

Application Notes:	Western blot, 0.1-0.5 µg/mL ELISA, 0.1-0.5 µg/mL 1. Lepore, J. J., Mericko, P. A., Cheng, L., Lu, M. M., Morrissey, E. E., Parmacek, M. S. GATA-6 regulates semaphorin 3C and is required in cardiac neural crest for cardiovascular morphogenesis. J. Clin. Invest. 116: 929-939, 2006. 2. Wiegrefe, C., Simon, R., Peschkes, K., Kling, C., Strehle, M., Cheng, J., Srivatsa, S., Liu, P., Jenkins, N. A., Copeland, N. G., Tarabykin, V., Britsch, S. Bcl11a (Ctip1) controls migration of cortical projection neurons through regulation of Sema3c. Neuron 87: 311-325, 2015.
Comment:	Tested Species: In-house tested species with positive results. Other applications have not been tested. Optimal dilutions should be determined by end users.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ , 0.05 mg Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C, -20 °C
Storage Comment:	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.