SEMA3C Polyclonal Antibody

Catalog Number:E-AB-65295

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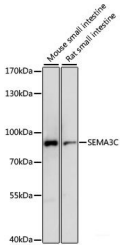
Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

Reactivity	Mouse,Rat
Immunogen	Recombinant fusion protein of human SEMA3C (NP_006370.1).
Host	Rabbit
Isotype	IgG
Purification	Affinity purification
Conjugation	Unconjugated
Formulation	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Applications	Recommended Dilution
WB	1:200-1:2000
IF	1:50-1:200

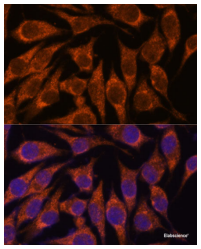
Data



Western blot analysis of extracts of various cell lines using SEMA3C Polyclonal Antibody at dilution of 1:1000.

Observed Mw:85kDa

Calculated Mw:26kDa/85kDa



Immunofluorescence analysis of L929 cells using SEMA3C Polyclonal Antibody at dilution of 1:100. Blue: DAPI for nuclear staining.

Preparation & Storage

Storage	Store at -20°C. Avoid freeze / thaw cycles.

Background

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.

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