bs-6692R **[Primary Antibody]**

Sema3C Rabbit pAb

www.bioss.com.cn
sales@bioss.com.cn
techsupport@bioss.com.cn
400-901-9800

DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 10512 **SWISS:** Q99985

Target: Sema3C

Immunogen: KLH conjugated synthetic peptide derived from human Sema3C: 51-150/751.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: The Semaphorins constitute a large family of secreted and membrane-tethered cell signaling molecules. They have functions in neural development, immunology, cardiac growth, vascular development, lung morphogenesis and axial bone patterning. Semaphorins are defined by the presence of a conserved Sema domain at the N-terminus. These proteins can be classified into eight classes depending on their structure and species origin. Classes 3 through 7 are found in vertebrates; class 3 are secreted, class 7 are GPI-anchored and class 4 through 6 are transmembrane proteins. Two distinct transmembrane receptor families have been identified as Semaphorin receptors. Neuropilins provide binding specificity for the class 3 Semaphorins, whereas Plexins, which also contain a Sema domain serve as signaling partners for class 3 Semaphorins and as functional receptors for transmembrane Semaphorins.
Semaphorin 3c inhibits axonal extension by providing local signals to specify territories inaccessible for growing axons. It is expressed maximally between days E10-12 with moderate levels from day E13 until birth.

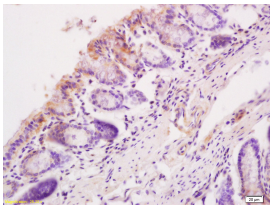
Applications: **IHC-P** (1:100-500)
IHC-F (1:100-500)
IF (1:100-500)

Reactivity: Mouse (predicted: Human, Rat, Rabbit, Pig, Sheep, Cow, Chicken, Horse, Goat)

Predicted MW.: 80 kDa

Subcellular Location: Secreted

VALIDATION IMAGES



Tissue/cell: mouse intestine tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min; Incubation: Anti-Sema3C/Semaphorin 3c Polyclonal Antibody, Unconjugated(bs-6692R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

SELECTED CITATIONS

- **[IF=2.283]** Peng Junxuan. et al. The intervention of valproic acid on the tumorigenesis induced by an environmental carcinogen of PAHs. Toxicol Res-Uk. 2020 Oct;9(5):609-621 WB,IHC ;Rat. 33178421