

Semaphorin 4D / CD100 Rabbit mAb

Catalog NO.: A21070 **Recombinant**

Basic Information

Observed MW

140kDa

Calculated MW

96kDa

Category

Monoclonal Antibodies

Applications

WB, IHC-P, ELISA

Cross-Reactivity

Human

Conjugation

Unconjugated

Clone number

ARC2801

Background

Enables identical protein binding activity; semaphorin receptor binding activity; and transmembrane signaling receptor activity. Involved in several processes, including positive regulation of phosphatidylinositol 3-kinase signaling; regulation of neuron projection development; and regulation of phosphate metabolic process. Is integral component of plasma membrane.

Recommended Dilutions

WB 1:1000 - 1:10000

IHC-P 1:50 - 1:200

ELISA

Recommended starting concentration is 1 µg/mL.
Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID	Swiss Prot
10507	Q92854

Immunogen

Recombinant protein (or fragment).This information is considered to be commercially sensitive.

Synonyms

A8; GR3; BB18; CD100; COLL4; SEMAJ; coll-4; C9orf164; M-sema-G; Semaphorin 4D / CD100

Contact

Product Information

☒		order@abclonal.com
☒		service@abclonal.com
☒		www.abclonal.com

Source

Rabbit

Isotype

IgG

Purification

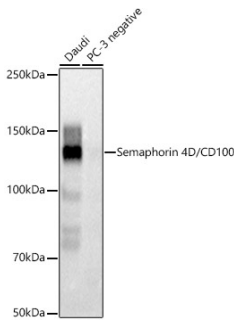
Affinity purification

Storage

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

Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

Validation Data



Western blot analysis of various lysates using Semaphorin 4D / CD100 Rabbit mAb (A21070) at 1:1500 dilution.

Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

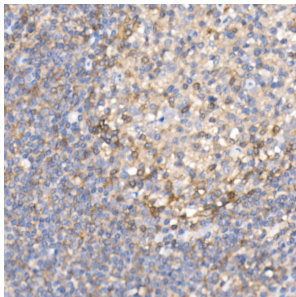
Lysates/proteins: 25µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Negative control (NC): PC-3.

Exposure time: 1s.



Immunohistochemistry analysis of paraffin-embedded Human tonsil using Semaphorin 4D / CD100 Rabbit mAb (A21070) at dilution of 1:100 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.

