

SEMA4D Polyclonal Antibody

catalog number: D-AB-10380L

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

Description

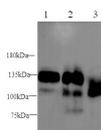
| | |
|---------------------|--|
| Reactivity | Human;Mouse;Rat |
| Immunogen | Recombinant Human SEMA4D protein expressed by Mammalian |
| Host | Rabbit |
| Isotype | Rabbit IgG |
| Purification | Antigen Affinity Purification |
| Conjugation | Unconjugated |
| Buffer | PBS with 0.05% Proclin300, 1% protective protein and 50% glycerol, pH7.4 |

Applications

Recommended Dilution

| | |
|-----------|--------------|
| WB | 1:500-1:1000 |
|-----------|--------------|

Data



Western blot with SEMA4D Polyclonal antibody at dilution of 1:1000.lane 1:SH-SY5Y whole cell lysate,lane 2:Mouse thymus,lane 3:Rat thymus

Observed-MW:120 kDa-140 kDa

Calculated-MW:96 kDa

Preparation & Storage

| | |
|-----------------|--|
| Storage | Store at -20°C Valid for 12 months. A void freeze / thaw cycles. |
| Shipping | The product is shipped with ice pack, upon receipt, store it immediately at the temperature recommended. |

Background

Cell surface receptor for PLXN1B and PLXNB2 that plays an important role in cell-cell signaling. Promotes reorganization of the actin cytoskeleton and plays a role in axonal growth cone guidance in the developing central nervous system. Regulates dendrite and axon branching and morphogenesis. Promotes the migration of cerebellar granule cells and of endothelial cells. Plays a role in the immune system,induces B-cells to aggregate and improves their viability (in vitro). Promotes signaling via SRC and PTK2B/PYK2,which then mediates activation of phosphatidylinositol 3-kinase and of the AKT1 signaling cascade. Interaction with PLXNB1 mediates activation of RHOA.