

Recombinant Semaphorin 4D Monoclonal Antibody

Catalog Number:E-AB-81485



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

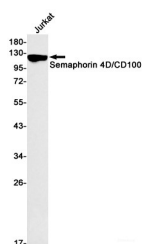
Description

Reactivity	Human
Immunogen	A synthetic peptide of human Semaphorin 4D
Host	Rabbit
Isotype	IgG
Clone	R05-2E3
Purification	Affinity Purified
Conjugation	Unconjugated
Formulation	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% protective protein

Applications Recommended Dilution

WB	1:1000-1:5000
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Data



Western blot detection of Semaphorin 4D/CD100 in Jurkat cell lysates using Semaphorin 4D/CD100 Rabbit mAb(1:500 diluted). Predicted band size:96kDa.Observed band size:120kDa.

Observed Mw:120kDa

Calculated Mw:96kDa

Preparation & Storage

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

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.

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