

Datasheet for ABIN6243521  
**anti-SEMA4D/CD100 antibody (AA 553-587)**[Go to Product page](#)

## 1 Image

## Overview

Quantity:	400 µL
Target:	SEMA4D/CD100 (SEMA4D)
Binding Specificity:	AA 553-587
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SEMA4D/CD100 antibody is un-conjugated
Application:	Western Blotting (WB)

## Product Details

Immunogen:	This SEMA4D antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 553-587 amino acids from the Central region of human SEMA4D.
Clone:	RB52970
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

## Target Details

Target:	SEMA4D/CD100 (SEMA4D)
Alternative Name:	SEMA4D ( <a href="#">SEMA4D Products</a> )
Background:	Cell surface receptor for PLXN1B and PLXNB2 that plays an important role in cell-cell signaling.

## Target Details

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.

Molecular Weight:	96150
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UniProt:	<a href="#">Q92854</a>
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Pathways:	<a href="#">Regulation of Cell Size</a>
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## Application Details

Application Notes:	WB: 1:2000
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Restrictions:	For Research Use only
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## Handling

Format:	Liquid
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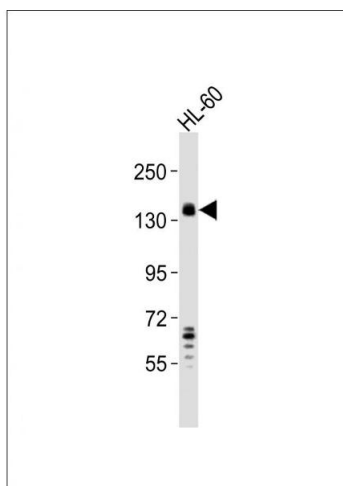
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
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Preservative:	Sodium azide
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Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
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Storage:	4 °C,-20 °C
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Expiry Date:	6 months
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### Western Blotting

**Image 1.** Anti-SED Antibody (Center) at 1:2000 dilution + HL-60 whole cell lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 96 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.