

Datasheet for ABIN1426707

anti-Semaphorin 6C antibody (PE-Cy5)[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	Semaphorin 6C (SEMA6C)
Reactivity:	Human, Mouse, Rat, Cow, Dog, Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Semaphorin 6C antibody is conjugated to PE-Cy5
Application:	Western Blotting (WB)

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human SEMA6C
Isotype:	IgG
Predicted Reactivity:	Human, Mouse, Rat, Dog, Cow, Sheep, Pig, Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	Semaphorin 6C (SEMA6C)
Alternative Name:	SEMA6C (SEMA6C Products)
Background:	<p>Synonyms: KIAA1869, m Sema Y, m Sema Y2, sema domain, transmembrane domain TM, and cytoplasmic domain, semaphorin 6C, Sema Y antibody Semaphorin 6C [Precursor], Semaphorin Y, SEMAY, SEM6C_HUMAN.</p> <p>Background: Semaphorins are a family of cell surface and secreted proteins involved in neural</p>

Target Details

development that are conserved from insects to humans. Members of this family are approximately 750 amino acids in length (including signal sequences) and are defined by a conserved extracellular semaphorin? domain of approximately 500 amino acids containing 14-16 cysteines, blocks of conserved sequences and no obvious repeats. The transmembrane semaphorins are characterized by an additional 80 amino acid transmembrane domain and an 80-110 amino acid cytoplasmic domain. SEMA6C, also known as SEMA Y, is a transmembrane protein expressed in fetal brain and adult skeletal muscle. Three isoforms of this semaphorin exist due to alternative splicing: SEMA6C 1, SEMA6C 2 and SEMA6C 3. The extracellular domain of SEMA6C induces growth cone collapse of dorsal root ganglion and plays a role in generation or stability of entorhino-hippocampal synapses.

Molecular Weight: 97kDa

Application Details

Application Notes: FCM(1:100-500)
Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
Expiry Date:	12 months