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Datasheet for ABIN5012239

anti-UNC5A antibody (AA 125-220) (Alexa Fluor 680)

Overview

Quantity:	100 µL
Target:	UNC5A
Binding Specificity:	AA 125-220
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This UNC5A antibody is conjugated to Alexa Fluor 680
Application:	Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human Unc5a
Isotype:	IgG
Predicted Reactivity:	Human, Mouse, Rat, Dog, Cow, Sheep, Pig, Horse
Purification:	Purified by Protein A.

Target Details

Target:	UNC5A
Alternative Name:	Unc5a/UNC5H1 (UNC5A Products)
Background:	Synonyms: Netrin receptor UNC 5A, Netrin receptor UNC5A, Netrin receptor Unc5h1, Protein

Target Details

unc-5 homolog 1, Protein unc-5 homolog A, Unc 5 homolog 1, Unc 5 homolog A, Unc 5a, Unc5 a, Unc5 homolog 1, Unc5 homolog A, Unc5a, UNC5A_HUMAN, Unc5h1, FLJ16449, KIAA1976.

Background: The UNC5H family of proteins act as transmembrane receptors for netrin-1 and play a crucial role in axon guidance and migration of neural cells. Additionally, when cleaved by a caspase to produce an intracellular fragment containing a death domain, UNC5H receptors induce apoptosis. This activity is blocked by the binding of netrin-1. In the absence of netrin-1, UNC5H receptors act as tumor suppressors by inhibiting anchorage-independent growth and invasion, but mutation of these receptors provides a potential mechanism for tumorigenicity. The expression of UNC5H receptors is downregulated in multiple carcinomas, including colorectal, breast, ovary, uterus, stomach, lung and kidney cancers. UNC5H1, also known as UNC5HA (unc-5 homolog A), is a member of the UNC5H family of proteins and is localized to the cell membrane. Three isoforms of UNC5H1 exist due to alternative splicing events.

Application Details

Application Notes: IF(IHC-P) 1:50-200
IF(IHC-F) 1:50-200
IF(ICC) 1:50-200

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: ProClin

Precaution of Use: This product contains ProClin: 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