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Datasheet for ABIN1693626

anti-Manic Fringe antibody (AA 221-321) (Alexa Fluor 350)

Overview

Quantity:	100 µL
Target:	Manic Fringe (MFNG)
Binding Specificity:	AA 221-321
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Manic Fringe antibody is conjugated to Alexa Fluor 350
Application:	Flow Cytometry (FACS), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunofluorescence (Cultured Cells) (IF (cc))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human Manic Fringe/MFNG
Isotype:	IgG
Cross-Reactivity:	Mouse
Predicted Reactivity:	Human,Rat,Cow,Sheep,Horse,Chimpanzee
Purification:	Purified by Protein A.

Target Details

Target:	Manic Fringe (MFNG)
Alternative Name:	Manic Fringe/MFNG (MFNG Products)

Target Details

Background:	<p>Synonyms: 3-N-acetylglucosaminyltransferase manic fringe, Beta-1, Beta-1,3-N-acetylglucosaminyltransferase manic fringe, MFNG, MFNG_HUMAN, O-fucosylpeptide 3-beta-N-acetylglucosaminyltransferase.</p> <p>Background: Three mammalian fringe family members, Manic, Radical and Lunatic Fringe, have been identified as proteins related to Drosophila fringe, a protein involved in development. Fringe proteins act upstream of the Notch signaling pathway and are involved in boundary determination during segmentation. Each mammalian fringe displays different patterns of expression, though all are expressed in the mouse embryo as well as in many adult tissues. Radical fringe plays a key role in the development of the limb bud. Lunatic fringe is required for normal somite segmentation and patterning and is thought to be a target of the molecular clock. Manic fringe, also involved in somatic development, has been shown to render mouse NIH/3T3 cells tumorigenic in SCID mice.</p>
Gene ID:	4242
Pathways:	Notch Signaling

Application Details

Application Notes:	FCM 1:20-100 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.

Handling

Expiry Date: 12 months