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Datasheet for ABIN5006583

anti-NEUROD6 antibody (AA 31-130) (Alexa Fluor 680)

Overview

Quantity:	100 µL
Target:	NEUROD6
Binding Specificity:	AA 31-130
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NEUROD6 antibody is conjugated to Alexa Fluor 680
Application:	Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human MATH2/NEUROD6
Isotype:	IgG
Predicted Reactivity:	Human, Mouse, Rat, Cow, Monkey
Purification:	Purified by Protein A.

Target Details

Target:	NEUROD6
Alternative Name:	MATH2/NEUROD6 (NEUROD6 Products)
Background:	Synonyms: Atoh 2, Atoh2, Atonal homolog 2, Atonal protein homolog 2, Atonal protein

Target Details

homolog2, bHLH a2 antibodybHLHa 2, bHLHa2, Class A basic helix-loop-helix protein 2, Helix loop helix protein mATH 2, Helix loop helix protein mATH2, MATH 2, Math2, NDF 6, NDF6, NDF6_HUMAN, Neuro D6, NeuroD6, Neurogenic dferentiation 6, Neurogenic dferentiation factor 6, Nex 1 antibodyNex 1m, Nex, Nex1, Nex1 m, Nex1m, Protein atonal homolog 2, Protein atonal homolog2.

Background: The Drosophila atonal gene produces a protein with basic helix loop helix (bHLH) domains that plays an essential role in the development of the Drosophila nervous system. Mammalian atonal homolog 2 (MATH-2) is a helix-loop-helix (HLH) transcription factor that is structurally homologous to the product of Drosophila atonal gene. MATH-2 is a 337 amino acid protein with an atonal-related basic HLH domain. In mice, expression of MATH-2 takes place by embryonic day 11.5 and initially localizes to the wall of brain vesicles and in the spinal cord. It is expressed in the cortical plate and the mantle layer in the developing central nervous system, and is limited to the nervous system in adults. Adult mouse cerebrums produce a high level of MATH-2 RNA with lower levels in other neuronal tissues. Research studies suggest that MATH-2 may function as a trans-acting factor involved in the development and maintenance of the mammalian nervous system.

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

Handling

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Expiry Date: 12 months