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Datasheet for ABIN2812389

anti-DIO2 antibody (AA 101-200) (Alexa Fluor 594)

Overview

Quantity:	100 µL
Target:	DIO2
Binding Specificity:	AA 101-200
Reactivity:	Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DIO2 antibody is conjugated to Alexa Fluor 594
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 DIO2
Isotype:	IgG
Cross-Reactivity:	Mouse, Rat
Predicted Reactivity:	Human,Dog,Cow,Sheep,Pig,Horse,Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	DIO2
Alternative Name:	DIO2 (DIO2 Products)

Target Details

Background:	Synonyms: 5DII, D2, Deiodinase, iodothyronine, type II, DIOII, ITDI2, SelY, Thyroxine deiodinase, type II, TXDI2, Type 2 DI, Type II 5' deiodinase, Type II iodothyronine deiodinase.
	Background: DIO2 belongs to the iodothyronine deiodinase family and is responsible for the deiodination of T4 (3,5,3',5'-tetraiodothyronine) into T3 (3,5,3'-triiodothyronine). It is essential for providing the brain with appropriate levels of T3 during the critical period of development. DIO2 is expressed in heart, skeletal muscle, placenta, fetal brain and several regions of the adult brain. There are two named isoforms.
Gene ID:	1734
Pathways:	Hormone Transport, Hormone Activity

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