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Datasheet for ABIN894006
anti-DIO3 antibody (Alexa Fluor 647)

Overview

Quantity:	100 µL
Target:	DIO3
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DIO3 antibody is conjugated to Alexa Fluor 647
Application:	Western Blotting (WB)

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human Dio3
Isotype:	IgG
Cross-Reactivity:	Human
Predicted Reactivity:	Mouse,Rat,Dog,Cow,Sheep,Pig
Purification:	Purified by Protein A.

Target Details

Target:	DIO3
Alternative Name:	Dio3 (DIO3 Products)
Background:	Synonyms: Type 3 DI, D3, 5DIII, Deiodinase iodothyronine type 3, Deiodinase iodothyronine type III, Dio 3, DIOIII, MGC124117, MGC124118, TXDI3, Type III 5' deiodinase, Type III iodothyronine

Target Details

deiodinase, IOD3_HUMAN.

Background: Dio3 belongs to the iodothyronine deiodinase family. It has an essential role for regulation of thyroid hormone inactivation during embryological development in that it catalyzes the inactivation of thyroid hormone by inner ring deiodination of the prohormone thyroxine (T4) and the bioactive hormone 3,3',5-triiodothyronine (T3) to inactive metabolites, 3,3',5'-triiodothyronine (RT3) and 3,3'-diiodothyronine (T2), respectively. Dio3 may play a role in preventing premature exposure of developing fetal tissues to adult levels of thyroid hormones and has been linked to the development of consumptive hypothyroidism in both infants and adults.

Gene ID: 1735

Pathways: [Hormone Activity](#)

Application Details

Application Notes: IF(IHC-P) 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: 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