

Datasheet for ABIN7002875

**anti-DIO2 antibody**[Go to Product page](#)**1** Image

## Overview

Quantity:	20 µL
Target:	DIO2
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DIO2 antibody is un-conjugated
Application:	ELISA, Western Blotting (WB)

## Product Details

Immunogen:	Synthetic peptide of human DIO2
Isotype:	IgG
Characteristics:	Polyclonal Antibody
Purification:	Affinity purification

## Target Details

Target:	DIO2
Alternative Name:	DIO2 ( <a href="#">DIO2 Products</a> )
Background:	The protein encoded by this gene belongs to the iodothyronine deiodinase family. It activates thyroid hormone by converting the prohormone thyroxine (T4) by outer ring deiodination (ORD) to bioactive 3,3',5-triiodothyronine (T3). It is highly expressed in the thyroid, and may contribute significantly to the relative increase in thyroidal T3 production in patients with Graves disease

## Target Details

and thyroid adenomas. This protein contains selenocysteine (Sec) residues encoded by the UGA codon, which normally signals translation termination. The 3' UTR of Sec-containing genes have a common stem-loop structure, the sec insertion sequence (SECIS), which is necessary for the recognition of UGA as a Sec codon rather than as a stop signal. Alternative splicing results in multiple transcript variants encoding different isoforms.

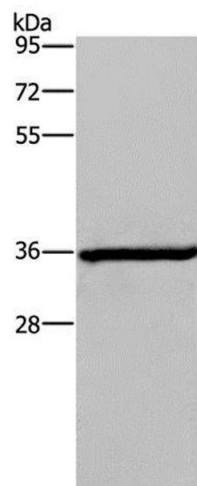
Molecular Weight:	31 kDa
NCBI Accession:	<a href="#">NP_000784</a>
UniProt:	<a href="#">Q92813</a>
Pathways:	<a href="#">Hormone Transport</a> , <a href="#">Hormone Activity</a>

## Application Details

Application Notes:	WB 1:200-1:1000
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Concentration:	0.7 mg/mL
Buffer:	PBS with 0.05 % sodium azide and 50 % glycerol, PH7.4
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. Avoid freeze / thaw cycles.



Western Blotting

**Image 1.** Western Blot analysis of Mouse brain tissue using DIO2 Polyclonal Antibody at dilution of 1:200