

Datasheet for ABIN7173972  
**anti-DIO2 antibody (AA 74-222)**[Go to Product page](#)

## 2 Images

## Overview

Quantity:	100 µg
Target:	DIO2
Binding Specificity:	AA 74-222
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DIO2 antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF)

## Product Details

Immunogen:	Recombinant Human Type II iodothyronine deiodinase protein (74-222AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

## Target Details

Target:	DIO2
Alternative Name:	DIO2 ( <a href="#">DIO2 Products</a> )
Background:	Background: Responsible for the deiodination of T4 (3,5,3',5'-tetraiodothyronine) into T3 (3,5,3'-triiodothyronine). Essential for providing the brain with appropriate levels of T3 during

## Target Details

the critical period of development.

Aliases: 5DII antibody, D2 antibody, Deiodinase, iodothyronine, type II antibody, DIO2 antibody, DIOII antibody, EC 1.97.1.10 antibody, IOD2\_HUMAN antibody, ITDI2 antibody, SelY antibody, Thyroxine deiodinase, type II antibody, TXDI2 antibody, Type 2 DI antibody, Type 2 iodothyronine deiodinase antibody, Type II 5' deiodinase antibody, Type II iodothyronine deiodinase antibody, Type-II 5"-deiodinase antibody

UniProt: [Q92813](#)

Pathways: [Hormone Transport](#), [Hormone Activity](#)

## Application Details

Application Notes: Recommended dilution: IHC:1:200-1:500, IF:1:50-1:200,

Restrictions: For Research Use only

## Handling

Format: Liquid

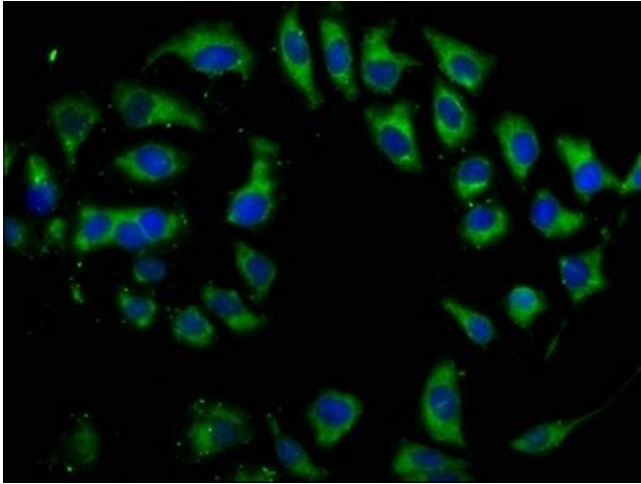
Buffer: Preservative: 0.03 % Proclin 300  
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

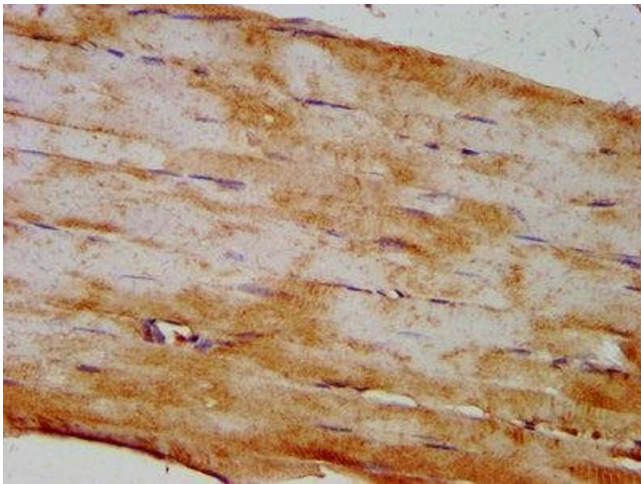
Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



#### Immunofluorescence

**Image 1.** Immunofluorescence staining of A549 cells with ABIN7173972 at 1:133, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



#### Immunohistochemistry

**Image 2.** IHC image of ABIN7173972 diluted at 1:400 and staining in paraffin-embedded human skeletal muscle tissue performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.