

### Anti-DIO2 antibody ab77779

★☆☆☆☆ [1 Abreviews](#) [7 References](#) [3 图像](#)

#### 概述

产品名称	Anti-DIO2抗体
描述	兔多克隆抗体to DIO2
宿主	Rabbit
经测试应用	适用于: WB, ICC/IF
种属反应性	与反应: Mouse, Rat, Human 预测可用于: Goat, Cow, Pig, Xenopus laevis 
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
阳性对照	This antibody gave a positive signal in the following human tissue lysates: Human Heart and Placenta, Mouse retina, P0 Whole Brain and Rat Whole Brain. This antibody gave a positive result when used in the following methanol fixed cell lines: SKNSH
常规说明	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&amp;As</p>

#### 性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
存储溶液	pH: 7.40 Preservative: 0.02% Sodium azide Constituent: PBS
纯度	Batches of this product that have a concentration < 1mg/ml may have BSA added as a stabilising agent. If you would like information about the formulation of a specific lot, please contact our scientific support team who will be happy to help. Immunogen affinity purified

克隆 多克隆  
同种型 IgG

## 应用

**The Abpromise guarantee** **Abpromise™**承诺保证使用ab77779于以下的经测试应用

“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB	★☆☆☆☆ (1)	Use a concentration of 1 µg/ml. Detects a band of approximately 31 kDa (predicted molecular weight: 31 kDa).
ICC/IF		Use a concentration of 5 µg/ml.

## 靶标

**功能** 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 the critical period of development.

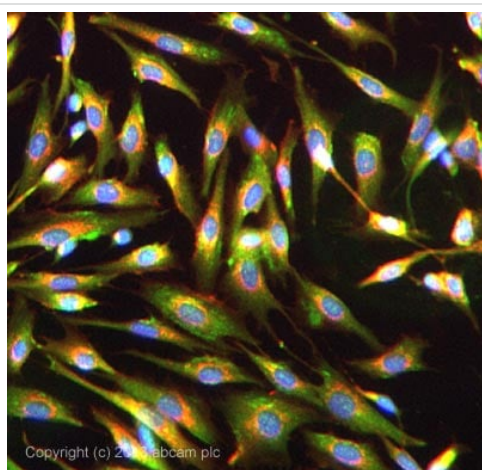
**组织特异性** Heart, skeletal muscle, placenta, fetal brain and several regions of the adult brain.

**序列相似性** Belongs to the iodothyronine deiodinase family.

**翻译后修饰** Ubiquitinated by MARCH6, leading to its degradation by the proteasome. Deubiquitinated by USP20 and USP33.

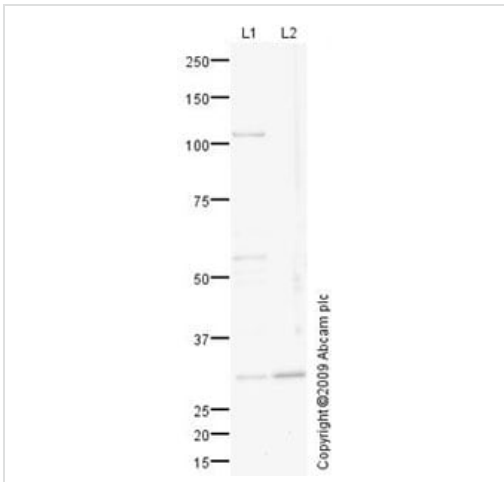
**细胞定位** Membrane.

## 图片



ICC/IF image of ab77779 stained SKNSH cells. The cells were 100% methanol fixed (5 min) and then incubated in 1%BSA / 10% normal goat serum / 0.3M glycine in 0.1% PBS-Tween for 1h to permeabilise the cells and block non-specific protein-protein interactions. The cells were then incubated with the antibody ab77779 at 5µg/ml overnight at +4°C. The secondary antibody (green) was DyLight® 488 goat anti- rabbit ([ab96899](#)) IgG (H+L) used at a 1/250 dilution for 1h. Alexa Fluor® 594 WGA was used to label plasma membranes (red) at a 1/200 dilution for 1h. DAPI was used to stain the cell nuclei (blue) at a concentration of 1.43µM.

Immunocytochemistry/ Immunofluorescence - Anti-DIO2 antibody (ab77779)



Western blot - Anti-DIO2 antibody (ab77779)

**All lanes :** Anti-DIO2 antibody (ab77779) at 1 µg/ml

**Lane 1 :** Human heart tissue lysate - total protein ([ab29431](#))

**Lane 2 :** Human placenta tissue lysate - total protein ([ab29745](#))

Lysates/proteins at 10 µg per lane.

**Secondary**

**All lanes :** Goat polyclonal to Rabbit IgG - H&L - Pre-Adsorbed (HRP) at 1/3000 dilution

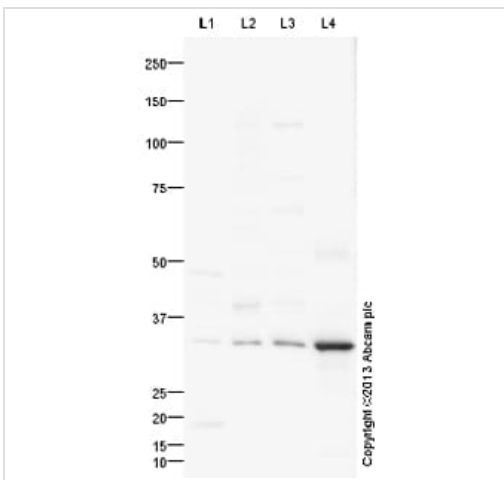
Developed using the ECL technique.

Performed under reducing conditions.

**Predicted band size:** 31 kDa

**Observed band size:** 31 kDa

**Additional bands at:** 105 kDa, 55 kDa. We are unsure as to the identity of these extra bands.



Western blot - Anti-DIO2 antibody (ab77779)

**All lanes :** Anti-DIO2 antibody (ab77779) at 1 µg/ml

**Lane 1 :** Mouse Retina Tissue Lysate

**Lane 2 :** Mouse brain tissue lysate - total protein (0 days) ([ab7188](#))

**Lane 3 :** Brain (Rat) Tissue Lysate

**Lane 4 :** Human heart tissue lysate - total protein ([ab29431](#))

Lysates/proteins at 10 µg per lane.

**Secondary**

**All lanes :** Goat polyclonal Secondary Antibody to Rabbit IgG - H&L (HRP) at 1/10000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

**Predicted band size:** 31 kDa

**Observed band size:** 35 kDa

**Additional bands at:** 40 kDa, 55 kDa. We are unsure as to the identity of these extra bands.

**Exposure time:** 3 minutes

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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