

## Product datasheet

# Anti-Dio3 antibody ab102926

★★★★★ 2 Abreviews 1 References 2 Images

### Overview

<b>Product name</b>	Anti-Dio3 antibody
<b>Description</b>	Rabbit polyclonal to Dio3
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB, IHC-P
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Human
<b>Immunogen</b>	Synthetic peptide conjugated to KLH, corresponding to a region within the C terminal amino acids 249-278 of Human Dio3 (NP_001353).
<b>Positive control</b>	HepG2 cell line lysates. Human hepatocarcinoma tissue.

### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at 4°C (up to 6 months). Store at -20°C long term.
<b>Storage buffer</b>	Preservative: 0.09% Sodium Azide Constituents: PBS
<b>Purity</b>	Immunogen affinity purified
<b>Purification notes</b>	ab102926 is purified through a protein A column, followed by peptide affinity purification.
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

### Applications

Our [Abpromise guarantee](#) covers the use of **ab102926** in the following tested applications.

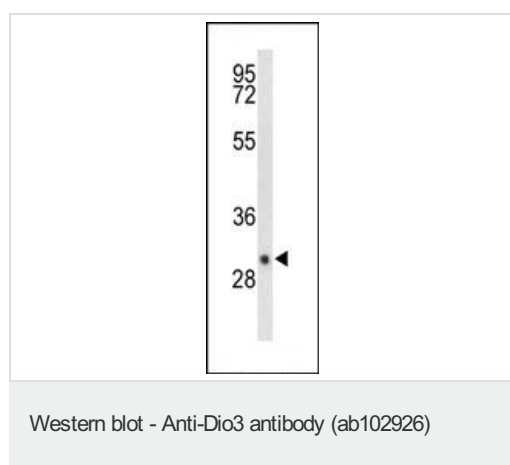
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB	★★★★★	1/100 - 1/500. Predicted molecular weight: 34 kDa.
IHC-P		1/50 - 1/100. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

## Target

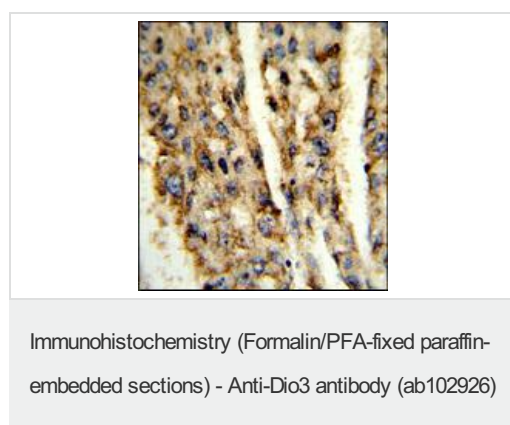
<b>Function</b>	Responsible for the deiodination of T4 (3,5,3',5'-tetraiodothyronine) into RT3 (3,3',5'-triiodothyronine) and of T3 (3,5,3'-triiodothyronine) into T2 (3,3'-diiodothyronine). RT3 and T2 are inactive metabolites. May play a role in preventing premature exposure of developing fetal tissues to adult levels of thyroid hormones. Can regulate circulating fetal thyroid hormone concentrations throughout gestation. Essential role for regulation of thyroid hormone inactivation during embryological development.
<b>Tissue specificity</b>	Expressed in placenta and several fetal tissues.
<b>Sequence similarities</b>	Belongs to the iodothyronine deiodinase family.
<b>Cellular localization</b>	Cell membrane. Endosome membrane.

## Images



Anti-Dio3 antibody (ab102926) at 1/100 dilution + HepG2 cell line lysate at 35 µg

**Predicted band size:** 34 kDa



ab102926 at 1/50 staining Dio3 in Formalin-fixed and paraffin-embedded Human hepatocarcinoma by Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections). Detection utilised DAB.

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