

Anti-DIO3 Antibody
Rabbit polyclonal antibody to DIO3
Catalog # AP59538**Specification**

Anti-DIO3 Antibody - Product Information

Application	WB
Primary Accession	P55073
Other Accession	Q91Z18
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	33947

Anti-DIO3 Antibody - Additional Information**Gene ID** 1735**Other Names**

ITDI3; TXDI3; Type III iodothyronine deiodinase; 5DIII; DIOIII; Type 3 DI; Type-III 5'-deiodinase

Target/Specificity

Recognizes endogenous levels of DIO3 protein.

Dilution

WB~~WB (1/500 - 1/1000)

Format

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

Storage

Store at -20 °C.Stable for 12 months from date of receipt

Anti-DIO3 Antibody - Protein Information**Name** DIO3**Synonyms** ITDI3, TXDI3**Function**

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.

Cellular Location

Cell membrane; Single-pass type II membrane protein Endosome membrane; Single-pass type II membrane protein

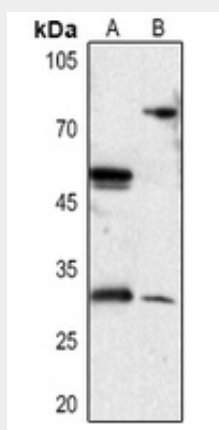
Tissue Location

Expressed in placenta and several fetal tissues.

Anti-DIO3 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-DIO3 Antibody - Images

Western blot analysis of DIO3 expression in mouse liver (A), rat kidney (B) whole cell lysates.

Anti-DIO3 Antibody - Background

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human DIO3. The exact sequence is proprietary.