



## PRODUCT DATA SHEET

Bioworld Technology, Inc.

### DIO1 polyclonal antibody

Catalog: BS32438

Host: Rabbit

Reactivity: Human

#### BackGround:

Type I iodothyronine deiodinase: Plays a crucial role in the metabolism of thyroid hormones (TH) and has specific roles in TH activation and inactivation by deiodination. Catalyzes the deiodination of L-thyroxine (T4) to 3,5,3'-triiodothyronine (T3), 3,3',5'-triiodothyronine (rT3) to 3,3'-diiodothyronine (3,3'-T2) and 3',5'-diiodothyronine (3',5'-T2) to 3'-monoiodothyronine (3'-T1) via outer-ring deiodination (ORD). Catalyzes the deiodination of T4 to 3,3',5'-triiodothyronine (rT3) via inner-ring deiodination (IRD). Catalyzes the deiodination of T3 to 3,3'-T2, 3,5-diiodothyronine (3,5-T2) to 3-monoiodothyronine (3-T1) and 3,3'-T2 to 3-T1 via IRD (By similarity). Catalyzes the phenolic ring deiodinations of 3,3',5'-triiodothyronamine and 3',5'-diiodothyronamine. Catalyzes the phenolic ring deiodination of 3,3'-diiodothyronamine and tyrosyl ring deiodinations of 3,5,3'-triiodothyronamine and 3,5-diiodothyronamine...

#### Product:

1mg/ml in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.

#### Molecular Weight:

~28.9 kDa

#### Swiss-Prot:

P49895

#### Purification&Purity:

The antibody was purified by immunogen affinity chromatography.

#### Applications:

WB (1/500 - 1/1000)

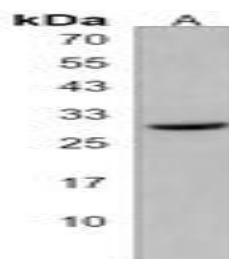
#### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

#### Specificity:

Recognizes endogenous levels of DIO1 protein.

#### DATA:



#### Note:

For research use only, not for use in diagnostic procedure.

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