

Polyclonal Antibody to Deiodinase, Iodothyronine, Type III (DIO3)

Deiodinase, Iodothyronine, Type III
Catalog # AP74623

Product Information

Application	WB
Primary Accession	Q91ZI8
Reactivity	Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	34111

Additional Information

Gene ID	107585
Other Names	ITDI3; TXDI3; Type-III 5'-deiodinase
Target/Specificity	Mus musculus (Mouse)
Dilution	WB~~Western blotting: 0.2-2 μ g/mL;1:250-2500 Immunohistochemistry: 5-20 μ g/mL;1:25-100 Immunocytochemistry: 5-20 μ g/mL;1:25-100 Optimal working dilutions must be determined by end user.
Format	PBS, pH7.4, containing 0.02% NaN ₃ , 50% glycerol.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

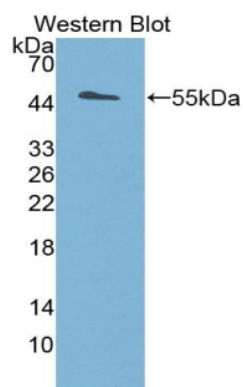
Protein Information

Name	Dio3
Function	Plays a crucial role in the metabolism of thyroid hormones (TH) and has specific roles in TH activation and inactivation by deiodination (By similarity). Catalyzes the deiodination of L-thyroxine (T4) to 3,3',5'-triiodothyronine (rT3), 3,5,3'-triiodothyronine (T3) to 3,3'-diiodothyronine (3,3'-T2), 3,5-diiodothyronine (3,5-T2) to 3- monoiodothyronine (3-T1), rT3 to 3',5'-diiodothyronine (3',5'-T2) and 3,3'-T2 to 3'-monoiodothyronine (3'-T1) via inner-ring deiodination (IRD) (By similarity). Catalyzes the deiodination of 3-T1 to L- thyronine (T0) via outer-ring deiodination (ORD) (By similarity). Catalyzes the tyrosyl ring deiodinations of 3,3',5,5'- tetraiodothyronamine, 3,3',5'-triiodothyronamine, 3,5,3'- triiodothyronamine, 3,5-diiodothyronamine, 3,3'-diiodothyronamine and 3-iodothyronamine (By similarity).

Cellular Location

Cell membrane {ECO:0000250|UniProtKB:P55073}; Single-pass type II membrane protein. Endosome membrane {ECO:0000250|UniProtKB:P55073}; Single-pass type II membrane protein

Images



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