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Product datasheet for TA351141

DIO2 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB: 200-1000 WB positive control: Mouse brain tissue
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide of human DIO2
Formulation:	pH7.4 PBS, 0.05% NaN3, 40% Glyceroln
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	31 kDa
Gene Name:	deiodinase, iodothyronine, type II
Database Link:	NP_054644 Entrez Gene 13371 MouseEntrez Gene 65162 RatEntrez Gene 1734 Human Q92813

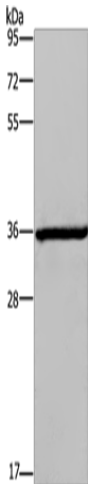
View online »

Background: The protein encoded by this gene belongs to the iodothyronine deiodinase family. It activates thyroid hormone by converting the prohormone thyroxine (T4) by outer ring deiodination (ORD) to bioactive 3,3',5-triiodothyronine (T3). It is highly expressed in the thyroid, and may contribute significantly to the relative increase in thyroidal T3 production in patients with Graves disease and thyroid adenomas. This protein contains selenocysteine (Sec) residues encoded by the UGA codon, which normally signals translation termination. The 3' UTR of Sec-containing genes have a common stem-loop structure, the sec insertion sequence (SECIS), which is necessary for the recognition of UGA as a Sec codon rather than as a stop signal. Alternative splicing results in multiple transcript variants encoding different isoforms.

Synonyms: 5DII; D2; DIOII; SelY; TXDI2

Protein Families: Druggable Genome

Product images:



Gel: 6%SDS-PAGE
Lysate: 50 µg
Lane: Mouse brain tissue
Primary antibody: TA351141 (DIO2 Antibody) at dilution 1/200
Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution
Exposure time: 40 seconds