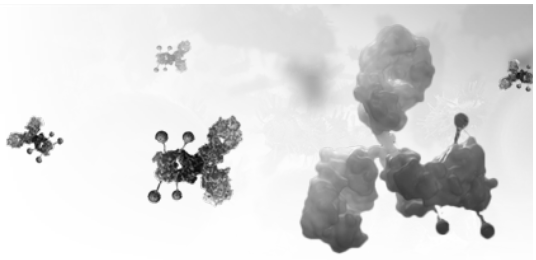

Mouse anti-Human DIO1 monoclonal antibody, clone 2F5 (CABT-B9406)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Immunogen	DIO1 (NP_000783.2, 35 a.a. ~ 125 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Isotype	IgG2a, κ
Source/Host	Mouse
Species Reactivity	Human
Clone	2F5
Purification	Protein A
Conjugate	Unconjugated
Applications	ELISA
Format	Liquid
Size	100 µg
Buffer	PBS, pH 7.4
Preservative	no preservative
Storage	-20°C, Avoid Freeze/Thaw Cycles

BACKGROUND

Introduction	The protein encoded by this gene is a thiol-requiring propylthiouracil-sensitive oxidoreductase.

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	It activates thyroid hormone by converting the prohormone thyroxine (T4) by outer ring deiodination (ORD) to bioactive 3,3,5-triiodothyronine (T3). It also degrades both hormones by inner ring deiodination (IRD). Alternative splicing results in multiple transcript variants encoding different isoforms. Some, but not all, isoforms contain a selenocysteine (Sec) residue 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. Additional transcript variants have been described but are not supported by experimental evidence. [provided by RefSeq, Jul 2008]
Keywords	DIO1; deiodinase, iodothyronine, type I; 5DI; TXDI1; type I iodothyronine deiodinase; DIOI; type 1 DI; type-I 5-deiodinase; iodothyronine deiodinase type 1; thyroxine deiodinase type I (selenoprotein);

GENE INFORMATION

Entrez Gene ID	1733
UniProt ID	P49895

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