

DNAxPAb

Hard-to-Find
Antibody

DIO1 DNAxPab

Catalog # H00001733-W01P

Size 200 ug

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human DIO1 DNA using DNAx™ Immune technology.
Technology	DNAx™ Immune
Immunogen	Full-length human DNA
Sequence	MGLPQPGLWLKRLWVLLLEVAVHVVVGKVLLILFPDRVKRNILAMGEKTGNRPLVLNFGSCT
Host	Rabbit
Reactivity	Human
Purification	Protein A
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Immunofluorescence (Transfected cell)
- Flow Cytometry (Transfected cell)

Gene Info — DIO1

Entrez GeneID [1733](#)

GeneBank Accession# [NM_213593.3](#)

Protein Accession# [NP_998758.1](#)

Gene Name DIO1

Gene Alias 5DI, MGC130050, MGC130051, TXDI1

Gene Description deiodinase, iodothyronine, type I

Omim ID [147892](#)

Gene Ontology [Hyperlink](#)

Gene Summary

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

Other Designations OTTHUMP00000010105|OTTHUMP00000010106|thyroxine deiodinase type I (selenoprotein)|type-I 5'deiodinase

Disease

- [Alzheimer disease](#)
- [Atrophy](#)
- [Depressive Disorder](#)
- [Genetic Predisposition to Disease](#)
- [Hypothyroidism](#)
- [Lung Neoplasms](#)
- [Psychiatric Status Rating Scales](#)

- [Psychometrics](#)
- [Pulmonary Disease](#)
- [Thyroid Diseases](#)
- [Thyroid Neoplasms](#)
- [Urinary Bladder Neoplasms](#)
- [Werner syndrome](#)