DNAxPAb | Hard-to-Find Antibody

DIO3 DNAxPab

Catalog # H00001735-W01P Size 200 ug

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human DIO3 DNA using DNAx™ Immune technology.
Technology	DNAx™ Immune
Immunogen	Full-length human DNA
Sequence	MLRSLLLHSLRLCAQTASCLVLFPRFLGTAFMLWLLDFLCIRKHFLGRRRRGQPEPEVELNSEGE EVPPDDPPICVSDDNRLCTLASLKAVWHGQKLDFFKQAHEGGPAPNSEVVLPDGFQSQHILDYA QGNRPLVLNFGSCT
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 — DIO3

Entrez GeneID	1735
GeneBank Accession#	NM_001362.2
Protein Accession#	NP_001353.3
Gene Name	DIO3
Gene Alias	5DIII, D3, DIOIII, TXDI3
Gene Description	deiodinase, iodothyronine, type III
Omim ID	601038
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this intronless gene belongs to the iodothyronine deiodinase family. It cat alyzes the inactivation of thyroid hormone by inner ring deiodination of the prohormone thyroxine (T4) and the bioactive hormone 3,3',5-triiodothyronine (T3) to inactive metabolites, 3,3',5'-triiodoth yronine (RT3) and 3,3'-diiodothyronine (T2), respectively. This enzyme is highly expressed in the p regnant uterus, placenta, fetal and neonatal tissues, suggesting that it plays an essential role in th e regulation of thyroid hormone inactivation during embryological development. This protein conta ins a selenocysteine (Sec) residue, which is essential for efficient enzyme activity. The selenocyst eine is 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. [provi ded by RefSeq
Other Designations	iodothyronine deiodinase, placental type|thyroxine deiodinase type III (selenoprotein)|type 3 iodoth yronine selenodeiodinase|type-III 5' deiodinase

Disease

- Hypothyroidism
- Psychometrics