

Rabbit anti-Human DIO2 Polyclonal Antibody | anti-DIO2 antibody

DIO2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA234664	Rabbit	Human	Immunofluorescence, Immunohistochemistry, ELISA

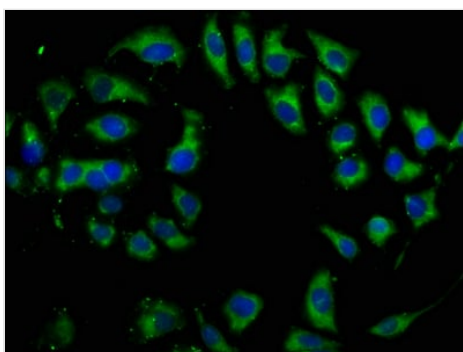
PRODUCT SYNONYMS

DIO2; Polyclonal Antibody; DIO2 Antibody; Type II iodothyronine deiodinase; 5DII; DIOII; Type 2 DI; Type-II 5'-deiodinase; ITDI2; TXDI2; anti-DIO2 antibody

PRODUCT SPECIFICATIONS

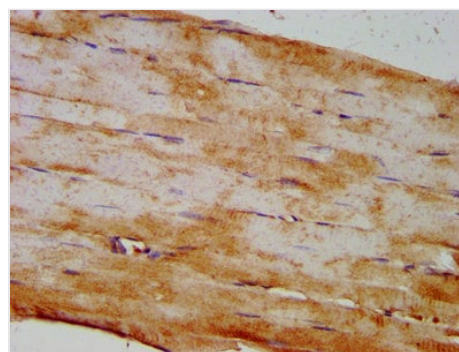
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	>95%, Protein G purified
Form/Format	Liquid
Sequence Length	273
Applicable Applications for anti-DIO2 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), ELISA
Immunogen	Recombinant Human Type II iodothyronine deiodinase protein (74-222AA)
Conjugation	Non-conjugated
Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, pH 7.4
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES



IF (Immunofluorescence)

Immunofluorescence staining of A549 cells with AAA234664 at 1:133, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4 degree C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG (H+L).



IHC (Immunohistochemistry)

IHC image of AAA234664 diluted at 1:400 and staining in paraffin-embedded human skeletal muscle tissue performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4 degree C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.

ADDITIONAL INFORMATION

Related Product Information for anti-DIO2 antibody	Responsible for the deiodination of T4 (3, 5, 3', 5'-tetraiodothyronine) into T3 (3, 5, 3'-triiodothyronine). Essential for providing the brain with appropriate levels of T3 during the critical period of development.
Product Categories/Family for anti-DIO2 antibody	Neuroscience; Cancer; Metabolism; Signal transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	7549805
NCBI GeneID	1734
NCBI Accession #	NP_000784.2
NCBI GenBank Nucleotide #	NM_000793.5
UniProt Accession #	Q92813; Q6B0A3; Q9HCP8; Q9P1W4; Q9UDZ1; B9EGK0; G3V315
Molecular Weight	34,704 Da
NCBI Official Full Name	type II iodothyronine deiodinase isoform a
NCBI Official Synonym Full Names	iodothyronine deiodinase 2
NCBI Official Symbol	DIO2
NCBI Official Synonym Symbols	D2; 5DII; SelY; DIOII; TXDI2
NCBI Protein Information	type II iodothyronine deiodinase
UniProt Protein Name	Type II iodothyronine deiodinase
UniProt Gene Name	DIO2
UniProt Synonym Gene Names	ITDI2; TXDI2

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/dio2-antibody-immunofluorescence-immunohistochemistry-elisa/234664>