

For Research Use Only

DIO2 Polyclonal antibody

Catalog Number: 26513-1-AP

13 Publications



Basic Information

Catalog Number:

26513-1-AP

Size:

150ul, Concentration: 650 ug/ml by Nanodrop and 400 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG24119

GenBank Accession Number:

BC074882

GeneID (NCBI):

1734

UNIPROT ID:

Q92813

Full Name:

deiodinase, iodothyronine, type II

Calculated MW:

273 aa, 31 kDa

Observed MW:

35-40 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

IHC 1:100-1:400

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB, IHC

Species Specificity:

human, mouse

Cited Species:

human, rat, mouse

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : mouse skeletal muscle tissue, MCF-7 cells

IHC : human skeletal muscle tissue,

Background Information

Type II iodothyronine deiodinase(DIO2), belongs to the iodothyronine deiodinase family, with two isoform of 30 and 34 kDa. DIO2 can activates thyroid hormone by converting the prohormone thyroxine (T4) by outer ring deiodination (ORD) to bioactive 3,3',5-triiodothyronine (T3). DIO2 is thought to be responsible for the 'local' production of T3, and thus important in influencing thyroid hormone action in these tissues.

Notable Publications

Author	Pubmed ID	Journal	Application
Long Li	33042829	Front Oncol	IHC
Sijie Wang	34808512	Ecotoxicol Environ Saf	WB
Zhipeng Li	35637349	Nat Chem Biol	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

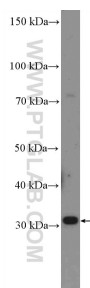
For technical support and original validation data for this product please contact:

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Selected Validation Data



mouse skeletal muscle tissue were subjected to SDS PAGE followed by western blot with 26513-1-AP (DIO2 Antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human skeletal muscle tissue slide using 26513-1-AP (DIO2 Antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human skeletal muscle tissue slide using 26513-1-AP (DIO2 Antibody) at dilution of 1:200 (under 40x lens).