

DIO2 Polyclonal antibody

Catalog Number: 26513-1-AP **13 Publications**

Basic Information

Catalog Number: 26513-1-AP	GenBank Accession Number: BC074882	Purification Method: Antigen affinity purification
Size: 650 µg/ml	GeneID (NCBI): 1734	Recommended Dilutions: WB 1:500-1:1000 IHC 1:100-1:400
Source: Rabbit	UNIPROT ID: Q92813	
Isotype: IgG	Full Name: deiodinase, iodothyronine, type II	
Immunogen Catalog Number: AG24119	Calculated MW: 273 aa, 31 kDa	
	Observed MW: 35-40 kDa	

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls: WB : mouse skeletal muscle tissue, MCF-7 cells IHC : human skeletal muscle tissue,
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	

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

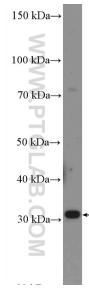
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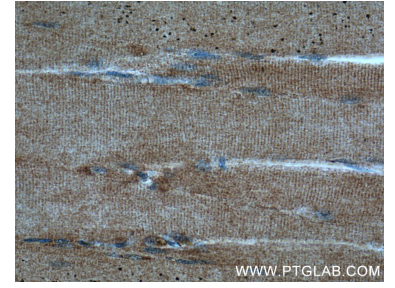
Selected Validation Data



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).