

For Research Use Only

DIO2 Monoclonal antibody, PBS Only



Catalog Number: 66813-1-PBS

Featured Product

Basic Information

Catalog Number:

66813-1-PBS

Size:

1 mg/ml

Source:

Mouse

Isotype:

IgG2a

Immunogen Catalog Number:

AG24057

GenBank Accession Number:

BC074882

GeneID (NCBI):

1734

UNIPROT ID:

Q92813

Full Name:

deiodinase, iodothyronine, type II

Calculated MW:

273 aa, 31 kDa

Observed MW:

30-35 kDa

Purification Method:

Protein A purification

CloneNo.:

1F2A1

Applications

Tested Applications:

WB, IHC, ELISA

Species Specificity:

Human

Background Information

Type II iodothyronine deiodinase (DIO2), belongs to the iodothyronine deiodinase family, with two isoform of 30 and 34 kDa. DIO2 can activate 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.

Storage

Storage:

Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS only

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

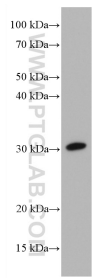
T: 4006900926

E: Proteintech-CN@ptglab.com

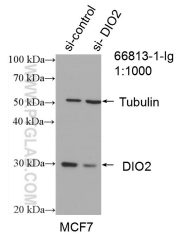
W: ptgcn.com

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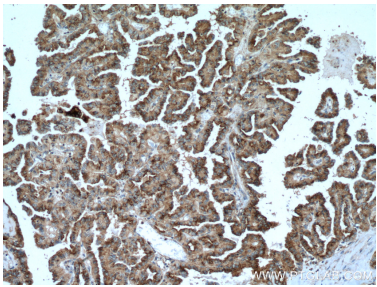
Selected Validation Data



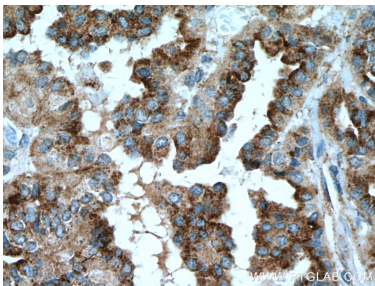
T-47D cells were subjected to SDS PAGE followed by western blot with 66813-1-Ig (DIO2 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66813-1-PBS in a different storage buffer formulation.



WB result of DIO2 antibody (66813-1-Ig; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-DIO2 transfected MCF-7 cells. This data was developed using the same antibody clone with 66813-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human thyroid cancer tissue slide using 66813-1-Ig (DIO2 antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66813-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human thyroid cancer tissue slide using 66813-1-Ig (DIO2 antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66813-1-PBS in a different storage buffer formulation.