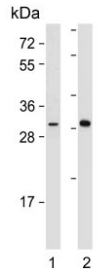
DIO2 Antibody / Type II Iodothyronine Deiodinase (F54462)

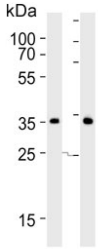
Catalog No.	Formulation	Size
F54462-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F54462-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

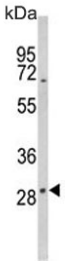
Availability	1-3 business days
Species Reactivity	Human, Mouse
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
UniProt	Q92813
Applications	Western blot: 1:500-1:2000 Flow cytometry: 1:25 (1x10e6 cells) Immunohistochemistry (FFPE): 1:25
Limitations	This DIO2 antibody is available for research use only.



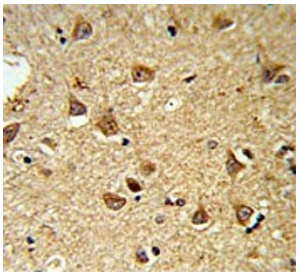
Western blot testing of 1) mouse heart and 2) human skeletal muscle lysate with DIO2 antibody. Predicted molecular weight ~31 kDa.



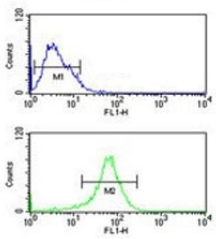
Western blot testing of human 1) heart and 2) skeletal muscle lysate with DIO2 antibody. Predicted molecular weight ~31 kDa.



Western blot testing of human MCF7 cell lysate with DIO2 antibody. Predicted molecular weight ~31 kDa.



IHC testing of FFPE mouse brain tissue with DIO2 antibody. HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.



Flow cytometry testing of human MCF7 cells with DIO2 antibody; Blue=isotype control, Green= DIO2 antibody.

Description

DIO2 belongs to the iodothyronine deiodinase family. It activates thyroid hormone by converting the prohormone thyroxine (T4) by outer ring deiodination (ORD) to bioactive 3,3',5-triiodothyronine (T3).

Application Notes

The stated application concentrations are suggested starting points. Titration of the DIO2 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 165-191 from the human protein was used as the immunogen for the DIO2 antibody.

Storage

Aliquot the DIO2 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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