BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
888-466-3604 | support@bosterbio.com | www.bosterbio.com

Anti-DIO2 Antibody (Center)

Catalog Number: A02249-1

About DIO2

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).

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Overview

Product Name	Anti-DIO2 Antibody (Center)
Reactive Species	Human, Mouse
Description	Boster Bio Anti-DIO2 Antibody (Center) (Catalog # A02249-1). Tested in WB, Flow Cytometry, IHC-P application(s). This antibody reacts with Human, Mouse.
Application	Flow Cytometry, IHC-P, WB
Clonality	Polyclonal
Formulation	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.
Storage Instructions	Maintain refrigerated at 2-8°C for up to 2 weeks. For long-term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.
Host	Rabbit
Uniprot ID	Q92813

Technical Details

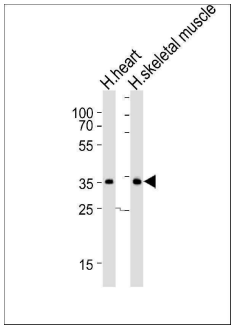
Immunogen	This DIO2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 165-191 amino acids of human DIO2.
Predicted Reactive Species	Pig
Isotype	Rabbit IgG
Purification	This antibody is purified through a protein A column, followed by peptide affinity purification.
Suggested Dilutions	WB: 1:500-2000

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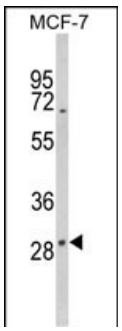
	IHC-P: 1:50-1:100 FC: 1:10-1:50

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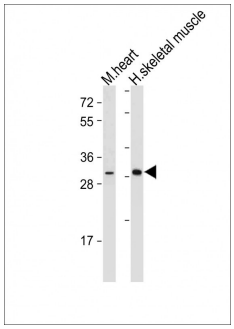
Anti-DIO2 Antibody (Center) (A02249-1) Images



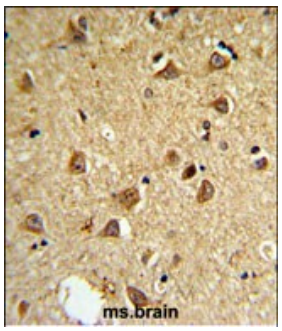
Western blot analysis of lysates from human heart and human skeletal muscle tissue lysate (from left to right), using DIO2 Antibody (Center). A02249-1 was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L (HRP) at 1:10000 dilution was used as the secondary antibody. Lysates at 35ug per lane.



Western blot analysis of DIO2 Antibody (Center) (Cat. #A02249-1) in MCF-7 cell line lysates (35ug/lane). DIO2 (arrow) was detected using the purified Pab.



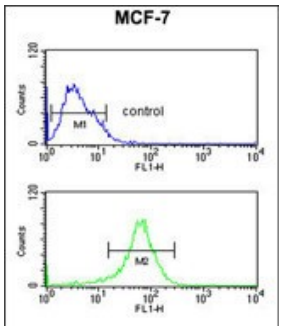
All lanes : Anti-DIO2 Antibody (Center) at 1:500-2000 dilutionLane 1: Mouse heart tissue lysateLane 2: Human skeletal muscle tissue lysateLysates/proteins at 20 µg per lane. SecondaryGoat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 31 kDaBlocking/Dilution buffer: 5% NFDM/TBST.



DIO2 Antibody (Center) (Cat. #A02249-1) IHC analysis in formalin fixed and paraffin embedded mouse brain followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the mouse DIO2 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.

DIO2 Antibody (Center) (Cat. #A02249-1) flow cytometric analysis of MCF-7 cells (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

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For Research Use Only. Not for use in diagnostic procedures.