

Product Datasheet

DIO2 Antibody NBP1-00178

Unit Size: 0.1 mg

Store at -20C. Avoid freeze-thaw cycles.

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NBP1-00178**DIO2 Antibody**

Product Information	
Unit Size	0.1 mg
Concentration	0.5 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	Tris saline (20 mM Tris pH 7.3, 150 mM NaCl), 0.5% BSA

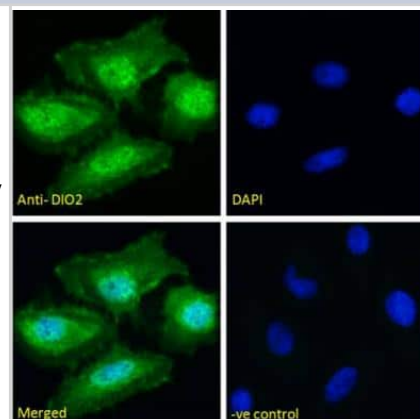
Product Description	
Host	Goat
Gene ID	1734
Gene Symbol	DIO2
Species	Human, Mouse, Sheep
Reactivity Notes	Use in Sheep reported in secitific publication PMID: 32403966
Specificity/Sensitivity	This antibody is expected to recognise both reported isoform a (NP_000784.2 and NP_054644.1) and isoform b (NP_001007024.1).
Immunogen	Peptide with sequence EVKKHQEQEDRC corresponding to internal region according to NP_054644.1, NP_001007024.1.

Product Application Details	
Applications	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Peptide ELISA
Recommended Dilutions	Western Blot, Flow Cytometry 10 ug/ml, Immunohistochemistry 2 - 3 ug/ml, Immunocytochemistry/ Immunofluorescence 10 ug/ml, Immunohistochemistry-Frozen 2 - 3 ug/ml, Peptide ELISA Detection limit 1:128000



Images

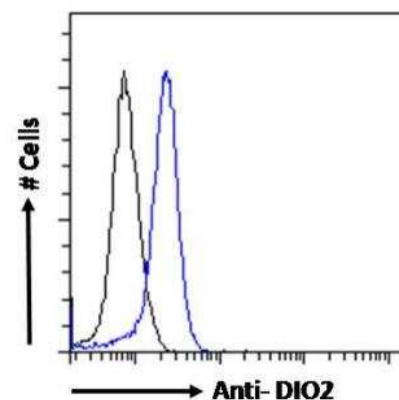
Immunocytochemistry/Immunofluorescence: DIO2 Antibody [NBP1-00178] - Analysis of paraformaldehyde fixed HeLa cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing nuclear and cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



Immunohistochemistry-Frozen: DIO2 Antibody [NBP1-00178] - IHC analysis of DIO2 in cryo-sectioned Mouse Hippocampus using NBP1-00178 at 2ug/ml. Microwaved antigen retrieval with citrate buffer pH 4.5, HRP-staining.



Flow Cytometry: DIO2 Antibody [NBP1-00178] - Analysis of paraformaldehyde fixed MCF7 cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (1ug/ml). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody



Publications

AC Guénantin, N Briand, E Capel, F Dumont, R Morichon, C Provost, F Stillitano, D Jeziorowsk, JP Siffroi, RJ Hajjar, B Fève, JS Hulot, P Collas, J Capeau, C Vigouroux Functional Human Beige Adipocytes from Induced Pluripotent Stem Cells Diabetes, 2017-03-07;0(0):. 2017-03-07 [PMID: 28270520]

Devalraju Kp, Tripathi D, Neela Vsk Et Al. Reduced thyroxine production in young household contacts of tuberculosis patients increases active tuberculosis disease risk JCI insight 2021-07-08 [PMID: 34236051] (WB)

Myers DA, Singleton K, Hyatt K et al. Long term hypoxia during gestation alters perirenal adipose tissue gene expression in the lamb Adipocyte 2020-12-01 [PMID: 32403966] (WB, Sheep)

Zuo Z, Liu Z, Gao T et al. Prolonged inorganic arsenic exposure via drinking water impairs brown adipose tissue function in mice Sci. Total Environ. 2019-06-10 [PMID: 30852208] (WB, Mouse)

Kishida T, Ejima A, Yamamoto K et al. Reprogrammed Functional Brown Adipocytes Ameliorate Insulin Resistance and Dyslipidemia in Diet-Induced Obesity and Type 2 Diabetes. Stem Cell Reports 2015-09-09 [PMID: 26365511] (ICC/IF, Human, Mouse)

Gumieniak O, Perlstein TS, Williams JS et al. Ala92 Type 2 Deiodinase Allele Increases Risk for the Development of Hypertension. Hypertension 2007-01-15 [PMID: 17224473]

Vose LR, Vinukonda G, Jo S et al. Treatment with thyroxine restores myelination and clinical recovery after intraventricular hemorrhage. J Neurosci. 2013-10-30 [PMID: 24174657] (ICC/IF, IF/IHC, Human)

Langford D, Baron D, Joy J et al. Contributions of HIV infection in the hypothalamus and substance abuse/use to HPT dysregulation Psychoneuroendocrinology 2011-06-01 [PMID: 21115295] (WB, Human)





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Products Related to NBP1-00178

HAF017	Rabbit anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
HAF109	Donkey anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
NB410-28088-1mg	Goat IgG Isotype Control
H00001734-Q01-10ug	Recombinant Human DIO2 GST (N-Term) Protein

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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