

Rabbit DIO1 Polyclonal Antibody | anti-DIO1 antibody

DIO1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA323206	Rabbit	Human, Mouse, Rat	Immunohistochemistry, Western Blot

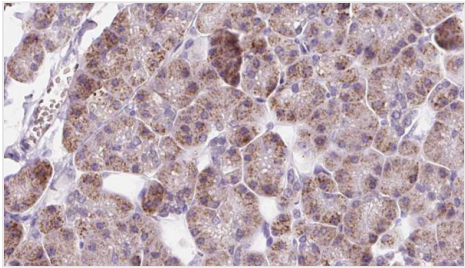
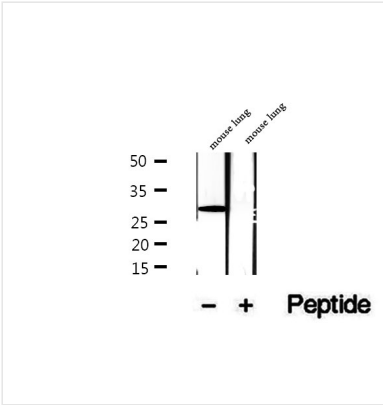
PRODUCT SYNONYMS

DIO1; Polyclonal Antibody; DIO1 Antibody; 5DI; deiodinase iodothyronine type I; DIOI; IOD1_HUMAN; thyroxine deiodinase type I (selenoprotein); TXDI1; Type 1 DI; type I 5' deiodinase; Type I iodothyronine deiodinase; Type-I 5"-deiodinase; anti-DIO1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	DIO1 antibody detects endogenous levels of DIO1.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	249
Applicable Applications for anti-DIO1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human DIO1.
Subcellular Location	Endoplasmic Reticulum Membrane.
Predicted Cross Reactivity	Pig, Sheep, Rabbit, Dog
Similarity	Pig (92%), Sheep (92%), Rabbit (100%), Dog (92%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)
AAA323206 at 1/100 staining Human pancreas cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

WB (Western Blot)
Western blot analysis of extracts of mouse lung tissue, using DIO1 antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-DIO1 antibody	Function: Responsible for the deiodination of T4 (3, 5, 3', 5'-tetraiodothyronine) into T3 (3, 5, 3'-triiodothyronine) and of T3 into T2 (3, 3'-diiodothyronine). Plays a role in providing a source of plasma T3 by deiodination of T4 in peripheral tissues such as liver and kidney. Similarity: Belongs to the iodothyronine deiodinase family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4557522
NCBI GeneID	1733
NCBI Accession #	NP_000783.2
NCBI GenBank Nucleotide #	NM_000792.6
UniProt Accession #	P49895; Q1RN02; Q3KNP8; Q6Q4C1; Q6Q4C2; Q6Q4C3; Q6Q4C4; Q6Q4C5; Q6Q4C6; Q6Q4C7; Q6Q4C9; Q8WWC6
Molecular Weight	Observed: 13 kDa; 29 kDa Predicted: 29 kDa
NCBI Official Full Name	type I iodothyronine deiodinase isoform a
NCBI Official Synonym Full Names	iodothyronine deiodinase 1
NCBI Official Symbol	DIO1
NCBI Official Synonym Symbols	5DI; TXDI1
NCBI Protein Information	type I iodothyronine deiodinase
UniProt Protein Name	Type I iodothyronine deiodinase
UniProt Gene Name	DIO1
UniProt Synonym Gene Names	ITDI1; TXDI1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.