

Rabbit anti-Human MIOX Polyclonal Antibody | anti-MIOX antibody

MIOX Antibody

CATALOG # AAA308894	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry
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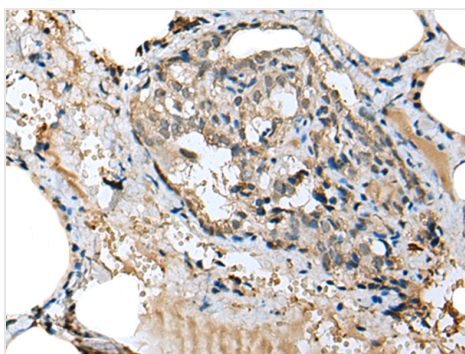
PRODUCT SYNONYMS

MIOX; Polyclonal Antibody; MIOX Antibody; ALDRL6; anti-MIOX antibody

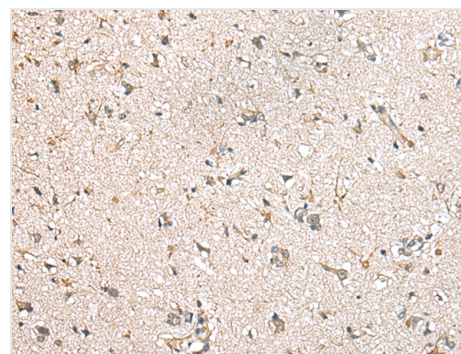
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Specificity	The antibody detects endogenous levels of total MIOX protein.
Purity/Purification	Antigen Affinity Purification
Form/Format	Rabbit IgG in pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol.
Concentration	1.2 mg/ml (varies by lot)
Sequence Length	285
Applicable Applications for anti-MIOX antibody	IHC (Immunohistochemistry)
Immunogen	Full length fusion protein of human MIOX
Immunogen Type	Protein
Preparation and Storage	Store at -20 degree C

IMAGES


IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded Human thyroid cancer tissue using at dilution 1/25.


IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded Human brain tissue using at dilution 1/25.

ADDITIONAL INFORMATION

Related Product Information for anti-MIOX antibody	Myo-inositol oxygenase (MIOX), also known as ALDRL6, is a renal-specific member of the Aldo-keto reductase family. It catalyzes the first committed step in the Myo-inositol metabolism pathway and is widely distributed in mammalian tissues. Human Myo-inositol oxygenase shares 91% and 96% sequence homology with mouse and pig Myo-inositol oxygenase homologs, respectively. Myo-inositol oxygenase is responsible for the oxidative cleavage of Myo-inositol (MI) and its epimer D-chiro inositol (DCI) to D-glucuronate. The dioxygen-dependent cleavage of the C1-C6 bond in Myo-inositol is accomplished through the utilization of the Fe(II)/Fe(III) binuclear iron center of MIOX. Myo-inositol oxygenase has also been implicated in complications of diabetes, including diabetic nephropathy.
Product Categories/Family for anti-MIOX antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	33667030
NCBI GeneID	55586
NCBI Accession #	NP_060054.4
NCBI GenBank Nucleotide #	NM_017584.5
UniProt Accession #	Q9UGB7; Q05DJ6; Q5S8C9; Q9BZZ1; Q9UHB8
Molecular Weight	24,516 Da
NCBI Official Full Name	inositol oxygenase
NCBI Official Synonym Full Names	myo-inositol oxygenase
NCBI Official Symbol	MIOX
NCBI Official Synonym Symbols	ALDRL6
NCBI Protein Information	inositol oxygenase
UniProt Protein Name	Inositol oxygenase
UniProt Gene Name	MIOX
UniProt Synonym Gene Names	ALDRL6; KSP32; RSOR; MI oxygenase
UniProt Entry Name	MIOX_HUMAN

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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/miox-antibody-immunohistochemistry-elisa/308894>