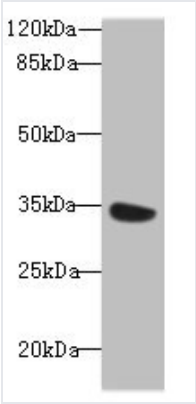
MIOX Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	MIOX, Polyclonal Antibody
Full Product Name	MIOX Antibody
Product Gene Name	anti-MIOX antibody
Product Synonym Names	Inositol oxygenase; Aldehyde reductase-like 6; Kidney-specific protein 32; Myo-inositol oxygenase; MI oxygenase; Renal-specific oxidoreductase; MIOX; ALDRL6; KSP32; RSOR
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, mouse
Form/Format	Liquid
Purity/Purification	>95%,Protein G purified
Preparation and Storage	Shipped at 4 degree C. Upon delivery, aliquot and store at -20 degree C or -80 degree C.
Matching Pairs	Unconjugated Antibody: MIOX (MBS7001375) FITC Conjugated Antibody: MIOX (MBS7000987)
Matching Pairs	Unconjugated Antibody: MIOX (MBS7001375) Biotin Conjugated Antibody: MIOX (MBS7001346)
Matching Pairs	Unconjugated Antibody: MIOX (MBS7001375) HRP Conjugated Antibody: MIOX (MBS7005940)
Molecular Weight	24,516 Da
OMIM	606774
3D Structure	ModBase 3D Structure for Q9UGB7
Immunogen	Recombinant human Inositol oxygenase protein
Conjugation	Non-conjugated
Storage Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-50600 / sc-50603 / sc-50601
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-MIOX antibody	ELISA (EIA), Western Blot (WB)
Related Product Information for anti-MIOX antibody	cytoplasm, extracellular exosome, inclusion body, aldo-keto reductase (NADP) activity, ferric iron binding, inositol oxygenase activity, oxidoreductase activity, acting on single donors with incorporation of molecular oxygen, inositol catabolic process
Other Notes	Small volumes of anti-MIOX antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for MIOX purchase	MBS7001375 is an antibody targeting MIOX. Also known as MIOX Antibody. Reactive in Human, mouse. Host: Rabbit.



Western Blot (WB) of anti-MIOX antibody
Western blotAll lanes: MIOX antibody at 6ug/ml+Mouse kidney tissueGoat polyclonal to rabbit at 1/10000 dilutionPredicted band size: 34,25 kDaObserved band size: 33 kDa

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for MIOX. It may not necessarily be applicable to this product.

NCBI GI #	33667030
NCBI GeneID	55586
NCBI Accession #	NP_060054.4
UniProt Primary Accession #	Q9UGB7
UniProt Secondary Accession #	Q05DJ6; Q5S8C9; Q9BZZ1; Q9UHB8
UniProt Related Accession #	Q9UGB7
GenBank Nucleotide #	NM_017584.5
NCBI Official Full Name	inositol oxygenase
NCBI Official Synonym Full Names	myo-inositol oxygenase
NCBI Official Symbol	MIOX
NCBI Official Synonym Symbols	ALDRL6
UniProt Protein Name	Inositol oxygenase
UniProt Synonym Protein Names	Aldehyde reductase-like 6; Kidney-specific protein 32; Myo-inositol oxygenase; MI oxygenase; Renal-specific oxidoreductase
Protein Family	Inositol oxygenase
UniProt Gene Name	MIOX
UniProt Synonym Gene Names	ALDRL6; KSP32; RSOR; MI oxygenase
UniProt Entry Name	MIOX_HUMAN
NCBI Protein Information	inositol oxygenase

UniProt Comments for MIOX	MIOX: Belongs to the myo-inositol oxygenase family. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Oxidoreductase; Carbohydrate Metabolism - ascorbate and aldarate; EC 1.13.99.1; Carbohydrate Metabolism - inositol phosphate Chromosomal Location of Human Ortholog: 22q13.3 Cellular Component: cytoplasm; inclusion body Molecular Function: aldo-keto reductase activity; ferric iron binding; inositol oxygenase activity; oxidoreductase activity, acting on NADH or NADPH; oxidoreductase activity, acting on single donors with incorporation of molecular oxygen Biological Process: inositol catabolic process
Research Articles on MIOX	**1.** results demonstrated that the polymorphism (rs761745) in the promoter region of myo-inositol oxygenase(MIOX) gene may be associated with the development of type 1 diabetes mellitus in our studied population
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