

## Product datasheet for **CF501421**

### MIOX Mouse Monoclonal Antibody [Clone ID: OTI4G7]

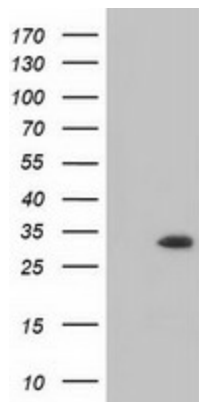
#### Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI4G7
Applications:	FC, IF, IHC, WB
Recommended Dilution:	WB: 1:200 - 1:1000, IHC 1:50, IF 1:100, FLOW 1:100
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human MIOX (NP_060054) produced in HEK293T cell.
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	32.8 kDa
Gene Name:	Homo sapiens myo-inositol oxygenase (MIOX), mRNA.
Database Link:	<a href="#">NP_060054</a> <a href="#">Entrez Gene 55586 Human</a> <a href="#">Q9UGB7</a>
Synonyms:	ALDRL6
Protein Pathways:	Ascorbate and aldarate metabolism, Inositol phosphate metabolism

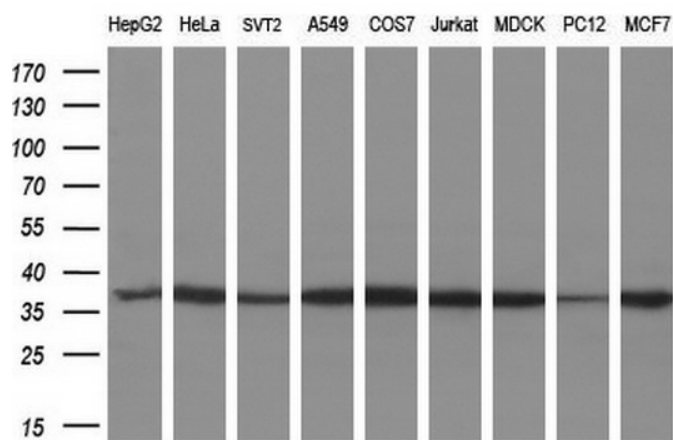


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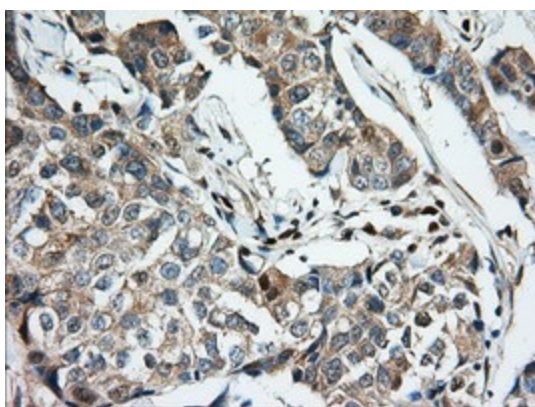
**Product images:**



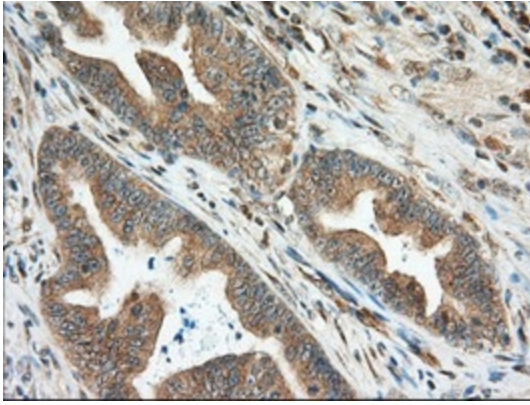
HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY MIOX (Cat# [RC210070], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-MIOX (Cat# [TA501421]). Positive lysates [LY413679] (100ug) and [LC413679] (20ug) can be purchased separately from OriGene.



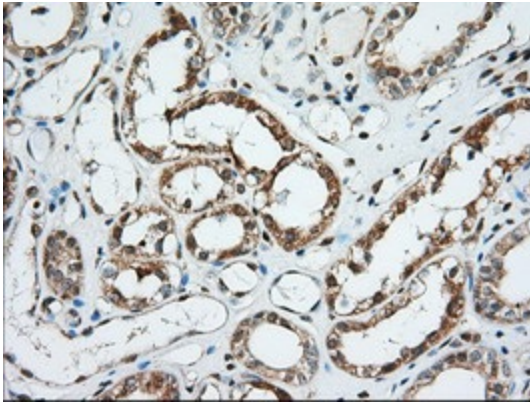
Western blot analysis of extracts (35ug) from 9 different cell lines by using anti-MIOX monoclonal antibody (HepG2: human; HeLa: human; SVT2: mouse; A549: human; COS7: monkey; Jurkat: human; MDCK: canine; PC12: rat; MCF7: human) (1:200).



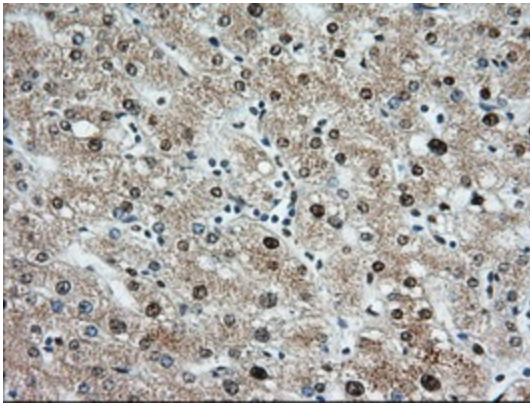
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human breast tissue using anti-MIOX mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA501421])



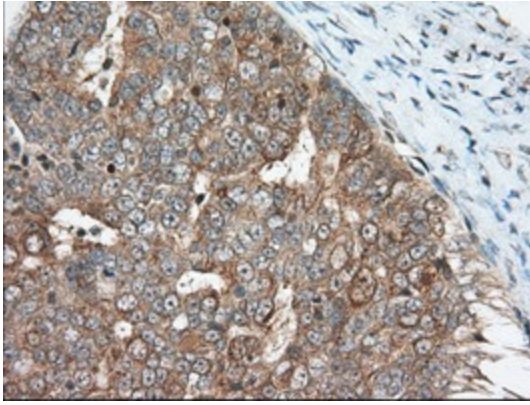
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human colon tissue using anti-MIOX mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA501421])



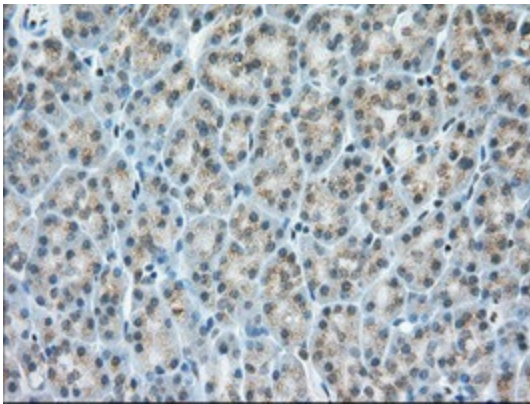
Immunohistochemical staining of paraffin-embedded Human Kidney tissue within the normal limits using anti-MIOX mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA501421])



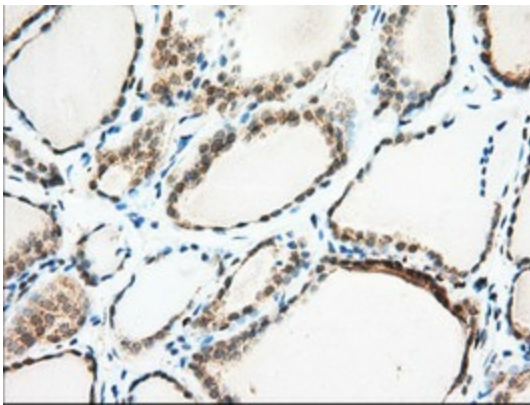
Immunohistochemical staining of paraffin-embedded Human liver tissue within the normal limits using anti-MIOX mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA501421])



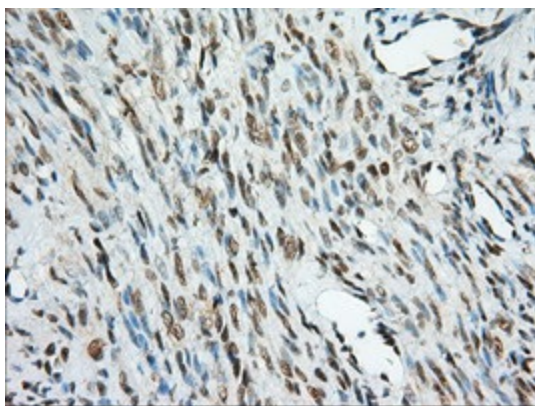
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human ovary tissue using anti-MIOX mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA501421])



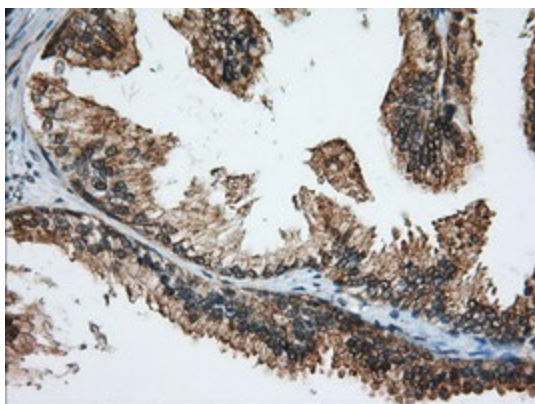
Immunohistochemical staining of paraffin-embedded Human pancreas tissue within the normal limits using anti-MIOX mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA501421])



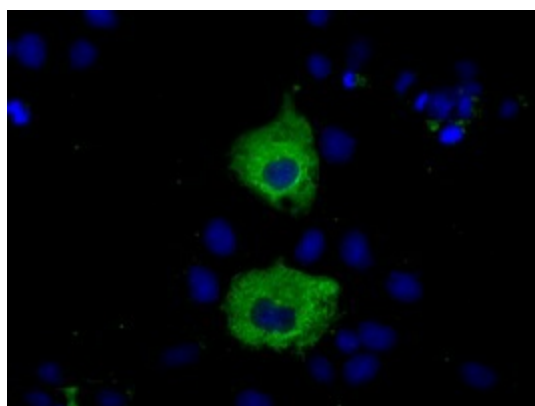
Immunohistochemical staining of paraffin-embedded Human thyroid tissue within the normal limits using anti-MIOX mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA501421])



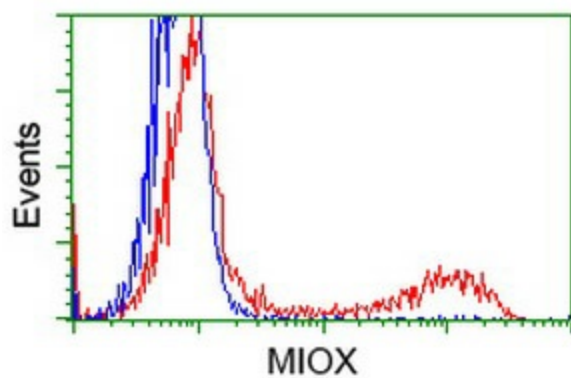
Immunohistochemical staining of paraffin-embedded Human endometrium tissue within the normal limits using anti-MIOX mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA501421])



Immunohistochemical staining of paraffin-embedded Human prostate tissue within the normal limits using anti-MIOX mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA501421])



Anti-MIOX mouse monoclonal antibody ([TA501421]) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY MIOX ([RC210070]).



HEK293T cells transfected with either [RC210070] overexpress plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-MIOX antibody ([TA501421]), and then analyzed by flow cytometry.