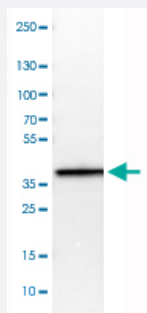


ARG1 monoclonal antibody, clone CL0186

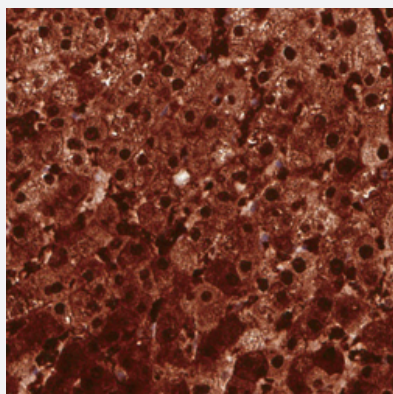
Catalog # MAB15555 Size 100 uL

Applications



Western Blot (Tissue lysate)

Western Blot analysis of human liver tissue lysate with ARG1 monoclonal antibody, clone CL0186 (Cat # MAB15555).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human liver with ARG1 monoclonal antibody, clone CL0186 (Cat # MAB15555) shows strong nuclear and cytoplasmic positivity in hepatocytes.

Specification

Product Description	Mouse monoclonal antibody raised against partial recombinant human ARG1.
Immunogen	Recombinant protein corresponding to human ARG1.
Epitope	This antibody binds to an epitope located within the peptide sequence KGQPRGGVEE as determined by overlapping synthetic peptides.
Sequence	TIGIGAPFSKGQPRGGVEEGPTVLRKAGLLEKLKEQECVDKDYGDLPFADIPNDSPFQIVKNPRS VGKASEQLAGKVAEVKKNGRISLVGGDHSLAIGSISGHARVHPDLGVMVDA
Host	Mouse

Reactivity	Human
Form	Liquid
Purification	Protein A purification
Isotype	IgG1
Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:2500-1:5000) Western Blot (1:1000-1:2500) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide).
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Tissue lysate)

Western Blot analysis of human liver tissue lysate with ARG1 monoclonal antibody, clone CL0186 (Cat # MAB15555).

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Gene Info — ARG1

Entrez GeneID	383
Protein Accession#	P05089
Gene Name	ARG1
Gene Alias	-
Gene Description	arginase, liver
Omim ID	207800 608313
Gene Ontology	Hyperlink

Gene Summary

Arginase catalyzes the hydrolysis of arginine to ornithine and urea. At least two isoforms of mammalian arginase exist (types I and II) which differ in their tissue distribution, subcellular localization, immunologic crossreactivity and physiologic function. The type I isoform encoded by this gene, is a cytosolic enzyme and expressed predominantly in the liver as a component of the urea cycle. Inherited deficiency of this enzyme results in argininemia, an autosomal recessive disorder characterized by hyperammonemia. [provided by RefSeq]

Other Designations

A-|OTTHUMP00000017209|arginase, type I

Pathway

- [Arginine and proline metabolism](#)
- [Biosynthesis of alkaloids derived from ornithine](#)
- [Metabolic pathways](#)

Disease

- [Asthma](#)
- [Atherosclerosis](#)
- [Bronchiolitis](#)
- [Cardiovascular Diseases](#)
- [Coronary Disease](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Helicobacter Infections](#)
- [Hypersensitivity](#)
- [Infant](#)
- [Inflammation](#)
- [Lung Neoplasms](#)
- [Myocardial Infarction](#)

- [Precancerous Conditions](#)
- [Pulmonary Disease](#)
- [Respiratory Syncytial Virus Infections](#)
- [Stomach Neoplasms](#)