

Arginase-1 Rabbit mAb

Catalog No.: A25808 **Recombinant**

Basic Information

Observed MW

Calculated MW
35kDa

Category
Primary antibody

Applications
ELISA, IHC-P, IF/ICC

Cross-Reactivity
Human, Mouse

CloneNo number
ARC65709

Background

Enables arginase activity. Involved in defense response to protozoan; negative regulation of T-helper 2 cell cytokine production; and negative regulation of activated T cell proliferation. Predicted to be located in several cellular components, including extracellular space; mitochondrial outer membrane; and neuronal cell body. Predicted to be active in cytosol. Is expressed in several structures, including alimentary system; central nervous system; genitourinary system; integumental system; and sensory organ. Used to study hyperargininemia. Human ortholog(s) of this gene implicated in asthma; hepatocellular carcinoma; and hyperargininemia. Orthologous to human ARG1 (arginase 1).

Recommended Dilutions

| | |
|---------------|----------------|
| IHC-P | 1:500 - 1:1000 |
| IF/ICC | 1:50 - 1:200 |

Immunogen Information

| | |
|----------------|-------------------|
| Gene ID | Swiss Prot |
| 11846 | Q61176 |

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 1-100 of mouse Arginase-1 (NP_031508.1).

Synonyms

AI; PGIF; Arg-1; Arginase-1

Contact

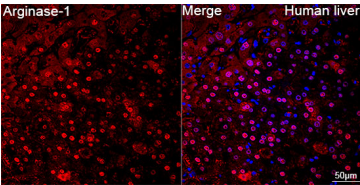
| | |
|--|---------------------------|
|  | 400-999-6126 |
|  | cn.market@abclonal.com.cn |
|  | www.abclonal.com.cn |

Product Information

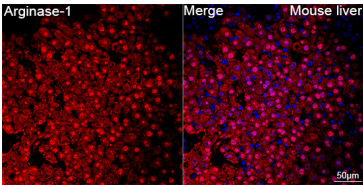
| | | |
|---------------|----------------|-----------------------|
| Source | Isotype | Purification |
| Rabbit | IgG | Affinity purification |

Storage

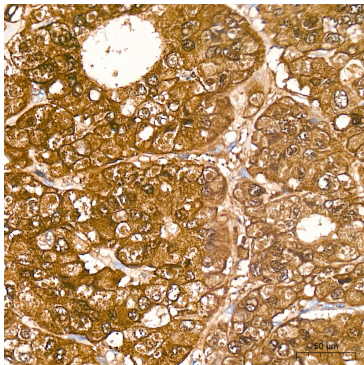
Store at -20°C. Avoid freeze / thaw cycles.
Buffer: PBS with 0.05% proclin300, 0.05% BSA, 50% glycerol, pH7.3.



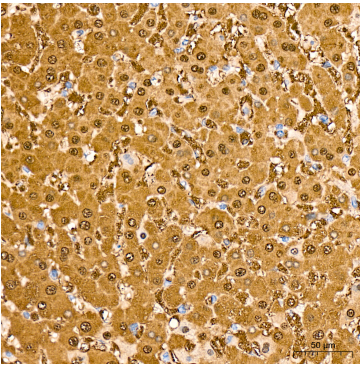
Confocal imaging of paraffin-embedded Human liver tissue using Arginase-1 Rabbit mAb (A25808, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). High pressure antigen retrieval performed with 0.01M Citrate Buffer(pH 6.0) prior to IF staining. Objective: 40x.



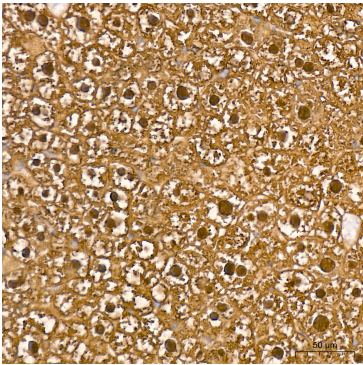
Confocal imaging of paraffin-embedded Mouse liver tissue using Arginase-1 Rabbit mAb (A25808, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). High pressure antigen retrieval performed with 0.01M Citrate Buffer(pH 6.0) prior to IF staining. Objective: 40x.



Immunohistochemistry analysis of paraffin-embedded Human liver cancer tissue using Arginase-1 Rabbit mAb (A25808) at a dilution of 1:800 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer(pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human liver tissue using Arginase-1 Rabbit mAb (A25808) at a dilution of 1:800 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer(pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Mouse liver tissue using Arginase-1 Rabbit mAb (A25808) at a dilution of 1:800 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer(pH 6.0) prior to IHC staining.