



Arginase-1 (ANT0064R) Rabbit mAb

CatalogNo: ANT8217 **Recombinant** 

Formulation: PBS,50%glycerol,0.05%Proclin 300,0.05%BSA
Quantity : 100 ug/vial

Host Species

- Rabbit
- Human,Mouse,Rat,

Reactivity

- WB,IHC,IF,IP,ELISA

Applications

MW

- 35kD (Calculated)
 - IgG,Kappa
- 35kD (Observed)

Isotype

Recommended Dilution Ratios

IHC 1:200-1:1000

WB 1:2000-1:10000

IF 1:200-1:1000

ELISA 1:5000-1:20000

IP 1:50-1:200

Storage

Storage* -15°C to -25°C/1 year(Do not lower than -25°C)

Basic Information

Clonality Monoclonal

Clone Number ANT0064R

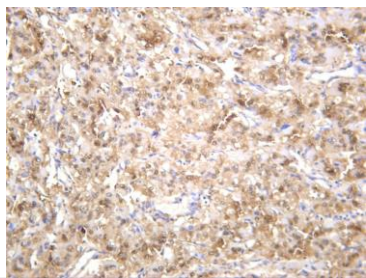
Target Information

Endogenous

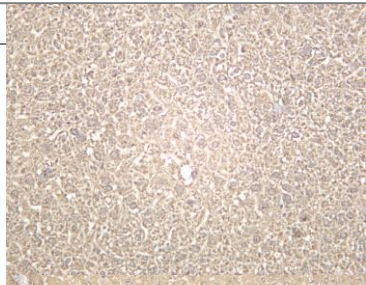
Gene name	ARG1		
Protein Name	Arginase-1 (EC 3.5.3.1) (Liver-type arginase) (Type I arginase)		
	Organism	Gene ID	UniProt ID
	Human	383 ;	P05089 ;
Cellular Localization	Cytoplasm		
Tissue specificity	Within the immune system initially reported to be selectively expressed in granulocytes (polymorphonuclear leukocytes [PMNs]) (PubMed:15546957). Also detected in macrophages mycobacterial granulomas (PubMed:23749634). Expressed in group2 innate lymphoid cells (ILC2s) during lung disease (PubMed:27043409).		
Function	Catalytic activity:L-arginine + H(2)O = L-ornithine + urea.,cofactor:Binds 2 manganese ions per subunit.,Disease:Defects in ARG1 are the cause of argininemia (ARGIN) [MIM:207800]; also known as hyperargininemia. Argininemia is a rare autosomal recessive disorder of the urea cycle. Arginine is elevated in the blood and cerebrospinal fluid, and periodic hyperammonemia occurs. Clinical manifestations include developmental delay, seizures, mental retardation, hypotonia, ataxia, progressive spastic quadriplegia.,induction:By arginine or homoarginine.,online information:Arginase entry,pathway:Nitrogen metabolism; urea cycle; L-ornithine and urea from L-arginine: step 1/1.,similarity:Belongs to the arginase family.,subunit:Homotrimer.,		

Validation Data

Human hepatocellular carcinoma was stained with anti-Arginase-1 (ANT0064R) rabbit antibody



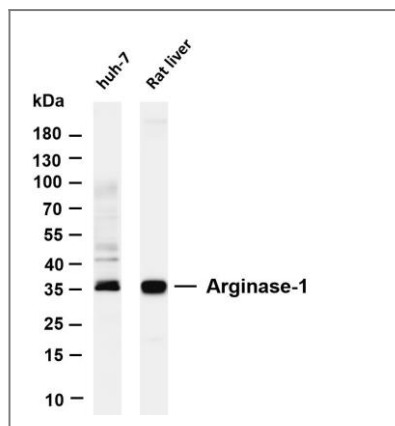
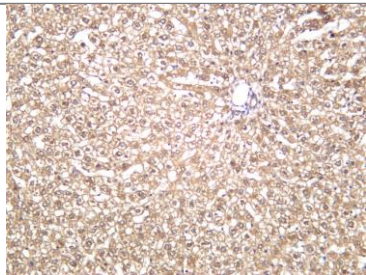
Human liver was stained with anti-Arginase-1 (ANT0064R) rabbit antibody



Mouse liver was stained with anti-Arginase-1 (ANT0064R) rabbit antibody



Rat liver was stained with anti-Arginase-1 (ANT0064R) rabbit antibody



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-Arginase-1 (ANT0064R) antibody. The HRPconjugated Goat anti-Rabbit IgG(H + L) antibody was used to detect the antibody. Lane 1: huh-7 Lane 2: Rat liver
Predicted band size: 35kDa Observed band size: 35kDa

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Contact Antagene Inc Tel 1-866-964-2589 Email: info@antageneinc.com