MAB120Hu22

Monoclonal Antibody to Arginase (ARG)

Organism Species: *Homo sapiens (Human)*

Instruction manual

FOR RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

13th Edition (Revised in Aug, 2023)

[PROPERTIES]

Source: Monoclonal antibody preparation

Host: Mouse

Antibody isotype: IgG1 Kappa

Purification: Protein A + Protein G affinity chromatography

Clone number: C5

Traits: Liquid

Concentration: 1mg/mL

UOM: 100µL

Cross Reactivity: Mouse;Rat;Porcine

Applications: WB; IHC

[IMMUNOGEN]

Immunogen: Recombinant ARG (Met1~Lys322) expressed in *E.coli*

Accession No.: RPB120Hu01

[APPLICATIONS]

Western blotting: 0.01-2µg/mL;

Immunohistochemistry: 5-20µg/mL;

Optimal working dilutions must be determined by end user.

[FORMULATION]

Form & Buffer: Supplied as solution form in PBS, pH7.4, containing 0.02% NaN3, 50% glycerol.

[STORAGE AND STABILITY]

Storage: Avoid repeated freeze/thaw cycles.

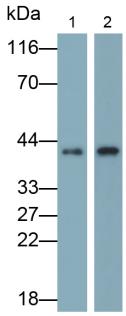
Store at 4ºC for frequent use.

Aliquot and store at -20ºC for 24 months.

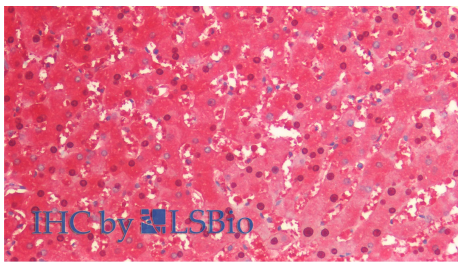
Stability Test: The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no

obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

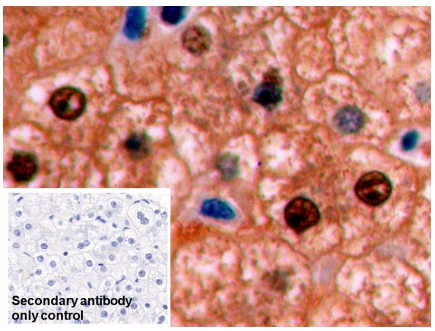
[IDENTIFICATION]



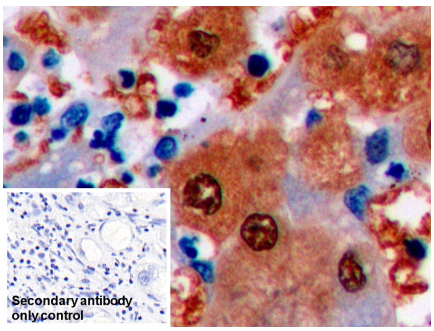
Western Blot; Samples: Lane1: HUH7 cell lysate; Lane2: Fetal Rat Liver lysate; Primary Ab: 0.1µg/ml Mouse Anti-Human Arg Antibody Second Ab: 0.2µg/ml HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody (Catalog: SAA544Mu19)



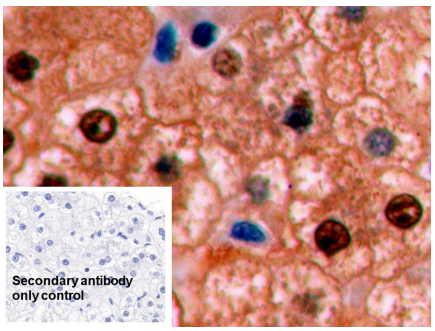
Vector Red staining on IHC-P; Samples: Human Liver Tissue; Primary Ab: 10µg/ml Mouse Anti-Human Arg Antibody Second Ab: 2µg/mL HRP-Linked Caprine Anti-Mouse IgG Monoclonal Antibody



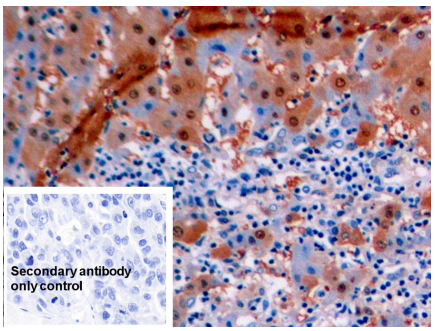
DAB staining on IHC-P; Sample: Human Liver Tissue; Primary Ab: 10µg/ml Mouse Anti-Human Arg Antibody Second Ab: 2µg/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody (Catalog: SAA544Mu19)



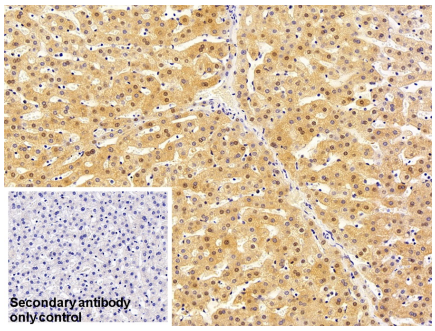
DAB staining on IHC-P; Sample: Human Liver cancer Tissue; Primary Ab: 10µg/ml Mouse Anti-Human Arg Antibody Second Ab: 2µg/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody (Catalog: SAA544Mu19)



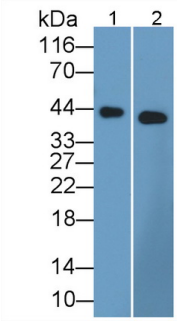
DAB staining on IHC-P; Sample: Human Liver Tissue Primary Ab: 10µg/ml Mouse Anti-Human Arg Antibody Control: Used PBS instead of primary antibody Second Ab: 2µg/ml HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody



DAB staining on IHC-P; Sample: Human Liver cancer Tissue Primary Ab: 10µg/ml Mouse Anti-Human Arg Antibody Control: Used PBS instead of primary antibody Second Ab: 2µg/ml HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody



DAB staining on IHC-P;
Sample: Porcine Liver Tissue
Primary Ab: 30μg/ml Mouse Anti-Human Arg Antibody
Control: Used PBS instead of primary antibody
Second Ab: 2?g/ml HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody
(Catalog: SAA544Mu19)



Western Blot; Sample: Lane1: Rat Liver lysate; Lane2: Porcine Liver lysate
Primary Ab: 0.02μg/ml Mouse Anti-Human Arg Antibody
Second Ab: 0.2μg/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody
(Catalog: SAA544Mu19) Selected

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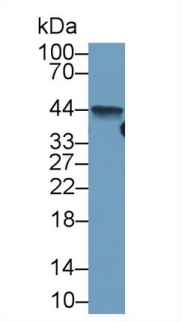

Western Blot; Sample: HepG2 cell lysate
Primary Ab: 2μg/ml Mouse Anti-Human ARG Antibody
Second Ab: 0.2μg/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody
(Catalog: SAA544Mu19) Selected

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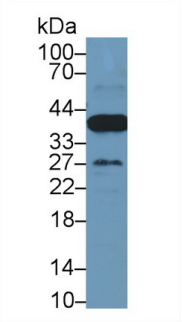

Western Blot; Sample: Mouse Liver lysate
Primary Ab: 2μg/ml Mouse Anti-Human ARG Antibody
Second Ab: 0.2μg/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody
(Catalog: SAA544Mu19) Selected

[IMPORTANT NOTE]

The kit is designed for research use only, we will not be responsible for any issue if the kit was used in clinical diagnostic or any other procedures.