

**MAB120Hu22**

**Monoclonal Antibody to Arginase (ARG)**

**Organism Species: *Homo sapiens (Human)***

***Instruction manual***

FOR RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

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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; ICC; IP.

**[ IMMUNOGEN ]**

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

**Accession No.:** RPB120Hu01

**[ APPLICATIONS ]**

Western blotting: 0.01-2µg/mL;

Immunohistochemistry: 5-20µg/mL;

Immunocytochemistry: 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% NaN<sub>3</sub>, 50% glycerol.

**[ STORAGE AND STABILITY ]**

**Storage:** Avoid repeated freeze/thaw cycles.

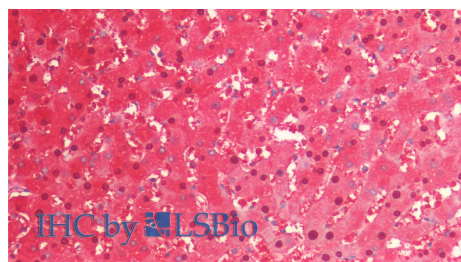
Store at 4°C for frequent use.

Aliquot and store at -20°C for 24 months.

**Stability Test:** The thermal stability is described by the loss rate. The loss rate was determined

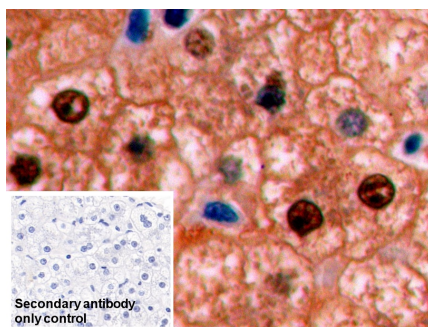
by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

## [ IDENTIFICATION ]



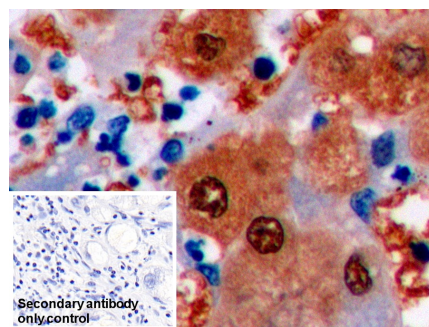
Vector Red staining on IHC-P;

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



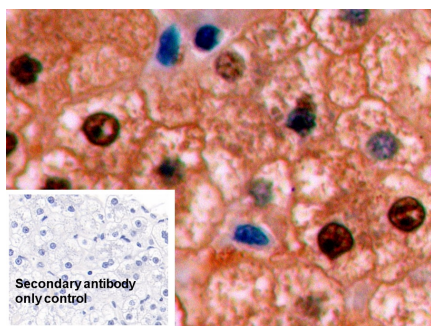
DAB staining on IHC-P;

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)



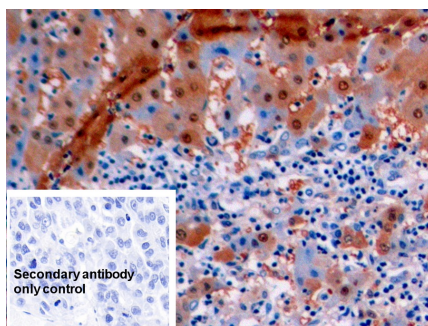
DAB staining on IHC-P;

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)



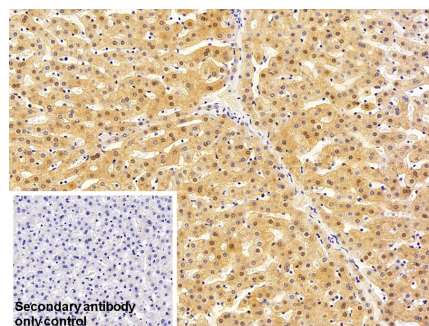
DAB staining on IHC-P;

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



DAB staining on IHC-P;

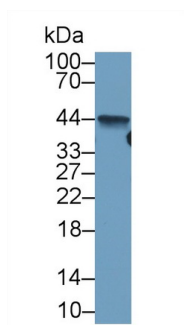
Sample: Human Liver cancer Tissue  
Primary Ab: 10µg/ml Mouse Anti-  
Human Arg Antibody  
Control: Used PBS instead of primary  
antibody  
Second Ab: 2µg/ml HRP-Linked  
Caprine Anti-Mouse IgG Polyclonal



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: 2µg/ml HRP-Linked  
Caprine Anti-Mouse IgG Polyclonal

Antibody  
(Catalog: SAA544Mu19)



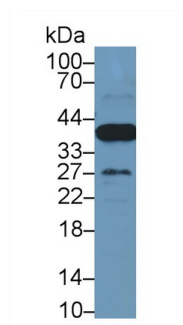
Western Blot; Sample: HepG2 cell  
lysate

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

Antibody  
(Catalog: SAA544Mu19)



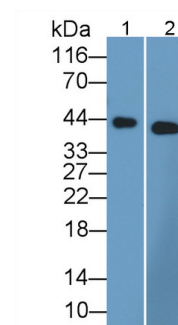
Western Blot; Sample: Mouse Liver  
lysate

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

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

## [ **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.