

**PAD001Hu01**

**Polyclonal Antibody to Glutaminyl tRNA Synthetase (QARS)**

**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:** Polyclonal antibody preparation

**Host:** Rabbit

**Purification:** Antigen-specific affinity chromatography followed by Protein A affinity chromatography

**Traits:** Liquid

**Concentration:** 0.5mg/mL

**UOM:** 50µL

**Cross Reactivity:** Mouse

**Applications:** WB; IHC

## **[ IMMUNOGEN ]**

**Immunogen:** Recombinant QARS (Pro514~Val775) expressed in *E.coli*

**Accession No.:** RPD001Hu01

## **[ 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 0.01M PBS, pH7.4, containing 0.05% Proclin-300, 50% glycerol.

## **[ STORAGE AND STABILITY ]**

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

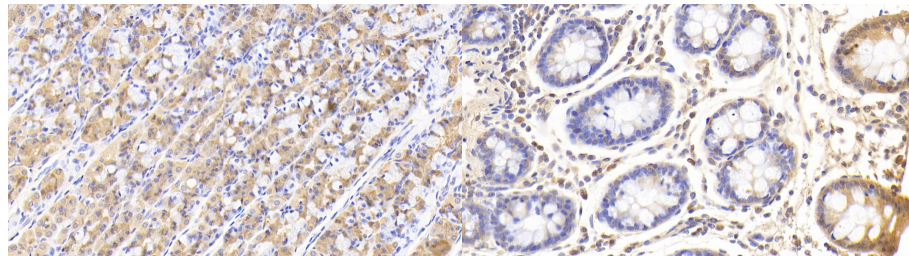
Store at 4°C for frequent use.

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

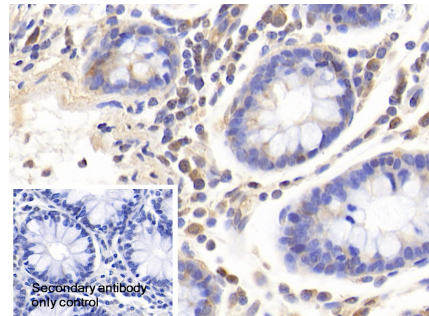
expiration date under appropriate storage condition.

## [ IDENTIFICATION ]

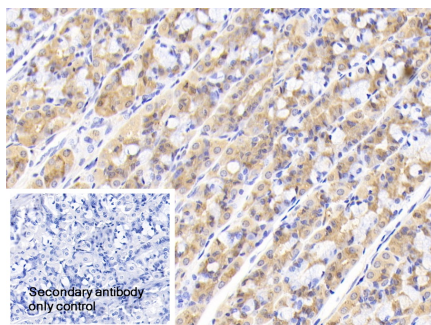


DAB staining on IHC-P; Samples:  
Human Stomach Tissue; Primary Ab:  
20?g/ml Rabbit Anti-Human QARS  
Antibody Second Ab: 2µg/mL HRP-  
Linked Caprine Anti-Rabbit IgG  
Polyclonal Antibody (Catalog:  
SAA544Rb19)

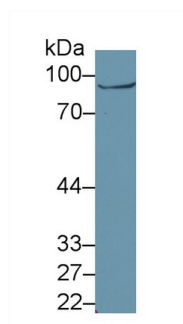
DAB staining on IHC-P;  
Samples: Human Colon Tissue;  
Primary Ab: 20?g/ml Rabbit Anti-  
Human QARS Antibody  
Second Ab: 2µg/mL HRP-Linked  
Caprine Anti-Rabbit IgG Polyclonal  
Antibody  
(Catalog: SAA544Rb19)



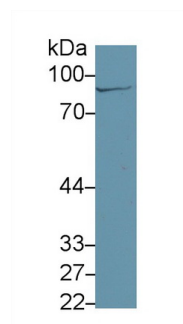
DAB staining on IHC-P;  
Sample: Human Colon Tissue  
Primary Ab: 20µg/ml Rabbit Anti-  
Human QARS Antibody  
Control: Used PBS instead of primary  
antibody  
Second Ab: 2µg/ml HRP-Linked  
Caprine Anti-Rabbit IgG Polyclonal  
Antibody  
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DAB staining on IHC-P;  
Sample: Human Stomach Tissue  
Primary Ab: 20µg/ml Rabbit Anti-  
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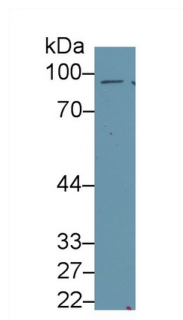
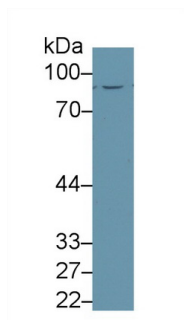


Western Blot; Sample: Human a431  
cell lysate;  
Primary Ab: 1µg/ml Rabbit Anti-Human  
QARS Antibody  
Second Ab: 0.2µg/mL HRP-Linked  
Caprine Anti-Rabbit IgG Polyclonal  
Antibody  
(Catalog: SAA544Rb19)



Western Blot; Sample: Mouse Liver  
lysate;  
Primary Ab: 1µg/ml Rabbit Anti-Human  
QARS Antibody  
Second Ab: 0.2µg/mL HRP-Linked  
Caprine Anti-Rabbit IgG Polyclonal  
Antibody  
(Catalog: SAA544Rb19)

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Western Blot; Sample: Human 293T cell lysate; Western Blot; Sample: Human HeLa cell lysate;

Primary Ab: 1µg/ml Rabbit Anti-Human QARS Antibody Primary Ab: 1µg/ml Rabbit Anti-Human QARS Antibody

QARS Antibody

QARS Antibody

Second Ab: 0.2µg/mL HRP-Linked

Second Ab: 0.2µg/mL HRP-Linked

Caprine Anti-Rabbit IgG Polyclonal

Caprine Anti-Rabbit IgG Polyclonal

Antibody

Antibody

(Catalog: SAA544Rb19)

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### [ **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.