

**PAD006Hu01**

**Polyclonal Antibody to Aspartyl tRNA Synthetase (DARS)**

**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:** 100µL

**Cross Reactivity:** N/A

**Applications:** WB; IHC

**[ IMMUNOGEN ]**

**Immunogen:** Recombinant DARS (Gly363~Pro501) expressed in *E.coli*

**Accession No.:** RPD006Hu01

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

**[ STORAGE AND STABILITY ]**

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

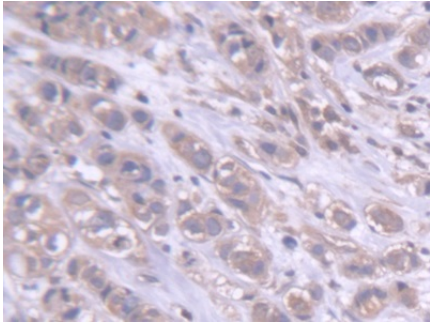
Store at 4°C for frequent use.

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

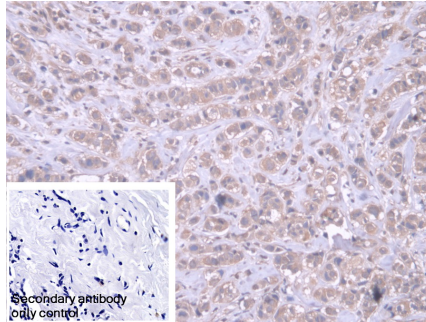
**Stability Test:** The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no

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

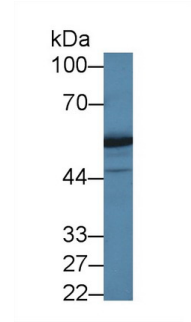
**[ IDENTIFICATION ]**



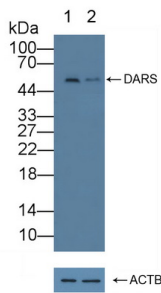
DAB staining on IHC-P; Samples: Human Breast cancer Tissue; Primary Ab: 20µg/ml Rabbit Anti-Human DARS Antibody Second Ab: 2µg/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody (Catalog: SAA544Rb19)



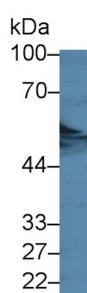
DAB staining on IHC-P; Sample: Human Breast cancer Tissue Primary Ab: 20µg/ml Rabbit Anti-Human DARS Antibody Control: Used PBS instead of primary antibody Second Ab: 2µg/ml HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody (Catalog: SAA544Rb19)



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



Knockout Verification: Lane 1: Wild-type HepG2 cell lysate; Lane 2: DARS knockout HepG2 cell lysate; Predicted MW: 46,57kd Observed MW: 55kd Primary Ab: 1µg/ml Rabbit Anti-Human



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



Western Blot; Sample: Human HepG2 cell lysate; Primary Ab: 1µg/ml Rabbit Anti-Human DARS Antibody Second Ab: 0.2µg/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody

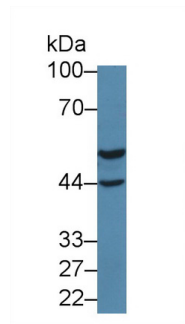
DARS Antibody

(Catalog: SAA544Rb19)

Second Ab: 0.2 $\mu$ g/mL HRP-Linked

Caprine Anti-Rabbit IgG Polyclonal  
Antibody

(Catalog: SAA544Rb19)



Western Blot; Sample: Human Raji cell  
lysate;

Primary Ab: 1 $\mu$ g/ml Rabbit Anti-Human  
DARS Antibody

Second Ab: 0.2 $\mu$ g/mL HRP-Linked

Caprine Anti-Rabbit IgG Polyclonal  
Antibody

(Catalog: SAA544Rb19)

### **[ 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.