

PAA303Mu01

Polyclonal Antibody to Galectin 3 (GAL3)

Organism Species: *Mus musculus* (Mouse)

Instruction manual

FOR RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

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: 0.27mg/mL

UOM: 100μL

Cross Reactivity: Human

Applications: WB; IHC

[IMMUNOGEN]

Immunogen: Recombinant GAL3 (Ala2 ~Ile264) expressed in *E.coli*

Accession No.: RPA303Mu01

[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.

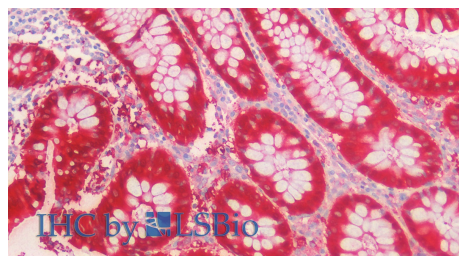
Store at 4°C for frequent use.

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.

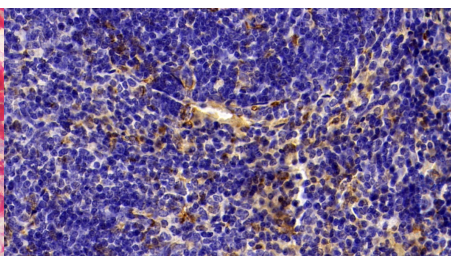
[IDENTIFICATION]



Vector Red staining on IHC-P;

Samples: Human Colon Tissue;

Primary Ab: Rabbit Anti-Mouse GAL3 Antibody (Dilution ratio 1:100) Second Ab: 2µg/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody

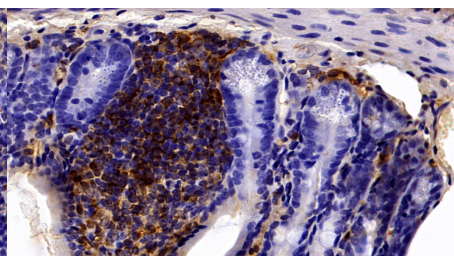


DAB staining on IHC-P;

Samples: Mouse Spleen Tissue;

Primary Ab: 20µg/ml Rabbit Anti-Mouse GAL3 Antibody
Second Ab: 2µg/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody

(Catalog: SAA544Rb19)

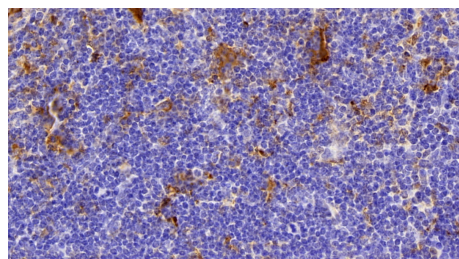


DAB staining on IHC-P;

Samples: Mouse Colon Tissue;

Primary Ab: 20µg/ml Rabbit Anti-Mouse GAL3 Antibody
Second Ab: 2µg/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody

(Catalog: SAA544Rb19)

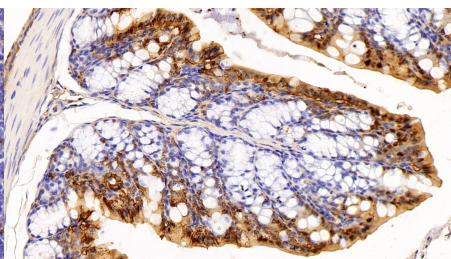


DAB staining on IHC-P;

Samples: Mouse Spleen Tissue;

Primary Ab: 20µg/ml Rabbit Anti-Mouse GAL3 Antibody
Second Ab: 2µg/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody

(Catalog: SAA544Rb19)

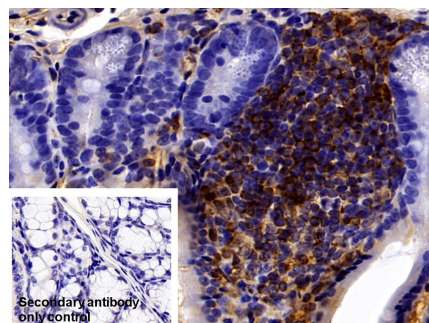


DAB staining on IHC-P;

Sample: Mouse Colon Tissue;

Primary Ab: 20µg/ml Rabbit Anti-Mouse GAL3 Antibody
Second Ab: 2µg/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody

(Catalog: SAA544Rb19)



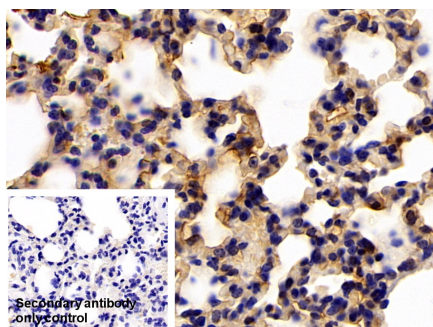
DAB staining on IHC-P;

Sample: Mouse Colon Tissue

Primary Ab: 20µg/ml Rabbit Anti-Mouse GAL3 Antibody
Control: Used PBS instead of primary antibody

Second Ab: 2µg/ml HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody

(Catalog: SAA544Rb19)



DAB staining on IHC-P;

Sample: Mouse Lung Tissue

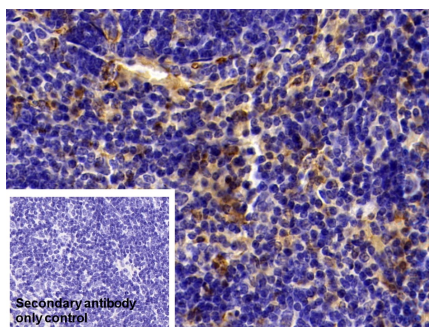
Primary Ab: 20µg/ml Rabbit Anti-Mouse

GAL3 Antibody

Control: Used PBS instead of primary antibody

Second Ab: 2µg/ml HRP-Linked
Caprine Anti-Rabbit IgG Polyclonal
Antibody

(Catalog: SAA544Rb19)



DAB staining on IHC-P;

Sample: Mouse Spleen Tissue

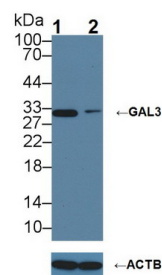
Primary Ab: 20µg/ml Rabbit Anti-Mouse

GAL3 Antibody

Control: Used PBS instead of primary antibody

Second Ab: 2µg/ml HRP-Linked
Caprine Anti-Rabbit IgG Polyclonal
Antibody

(Catalog: SAA544Rb19)



Knockout Varification:

Lane 1: Wild-type HeLa cell lysate;

Lane 2: GAL3 knockout HeLa cell
lysate;

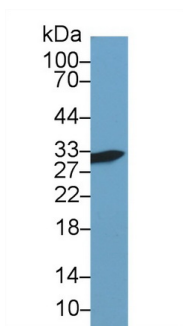
Predicted MW: 27kDa

Observed MW: 32kDa

Primary Ab: 1µg/ml Rabbit Anti-Mouse
GAL3 Antibody

Second Ab: 0.2µg/mL HRP-Linked
Caprine Anti-Rabbit IgG Polyclonal
Antibody

(Catalog: SAA544Rb19)

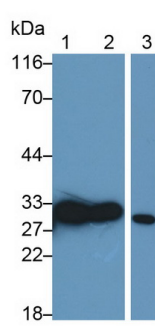


Western Blot; Sample: Human HeLa cell
lysate;

Primary Ab: 1µg/ml Rabbit Anti-Mouse
GAL3 Antibody

Second Ab: 0.2µg/mL HRP-Linked
Caprine Anti-Rabbit IgG Polyclonal
Antibody

(Catalog: SAA544Rb19)

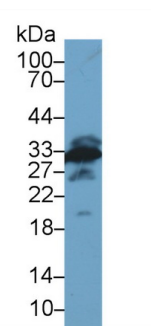


Western Blot; Sample: Lane1: Mouse
Lung lysate; Lane2: Mouse Spleen

lysate; Lane3: HeLa cell lysate
Primary Ab: 0.03µg/ml Rabbit Anti-
Mouse GAL3 Antibody

Second Ab: 0.2µg/mL HRP-Linked
Caprine Anti-Rabbit IgG Polyclonal
Antibody

(Catalog: SAA544Rb19)



Western Blot; Sample: Mouse Testis
lysate;

Primary Ab: 1µg/ml Rabbit Anti-Mouse
GAL3 Antibody

Second Ab: 0.2µg/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.