

PAF468Hu01

Polyclonal Antibody to Growth Factor Receptor Bound Protein 10 (Grb10)

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: 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: Mouse;Porcine

Applications: WB; IHC; ICC/IF; FCM

[IMMUNOGEN]

Immunogen: Recombinant Grb10 (Thr392~Leu594) expressed in *E.coli*

Accession No.: RPF468Hu01

[APPLICATIONS]

Western blotting: 0.01-2μg/mL;

Immunohistochemistry: 5-20μg/mL;

Immunofluorescence: 5-20μg/mL;

Flow cytometry: 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.

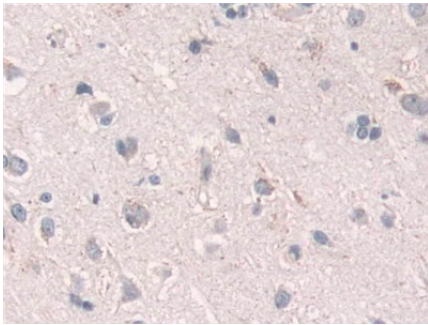
Store at 4°C for frequent use.

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

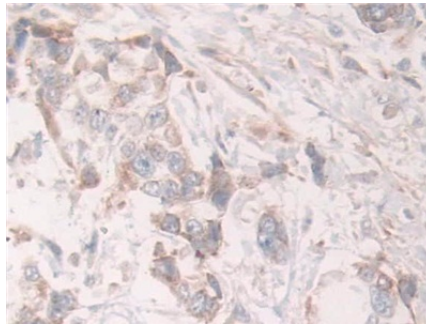
Stability Test: The thermal stability is described by the loss rate. The loss rate was determined

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.

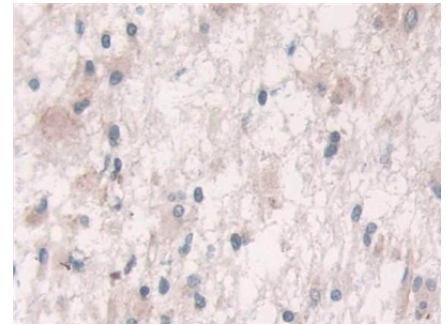
[IDENTIFICATION]



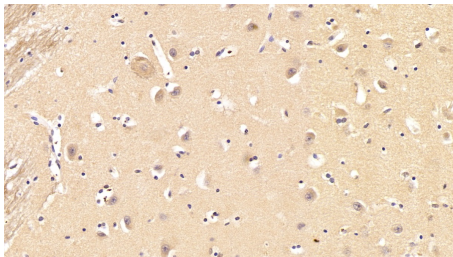
DAB staining on IHC-P;
Samples: Human Cerebrum Tissue;
Primary Ab: 10µg/ml Rabbit Anti-Human Grb10 Antibody
Second Ab: 2µg/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody
(Catalog: SAA544Rb19)



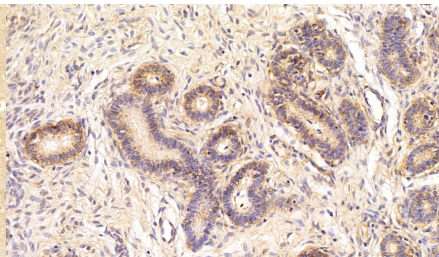
DAB staining on IHC-P;
Samples: Human Prostate cancer Tissue;
Primary Ab: 10µg/ml Rabbit Anti-Human Grb10 Antibody
Second Ab: 2µg/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody
(Catalog: SAA544Rb19)



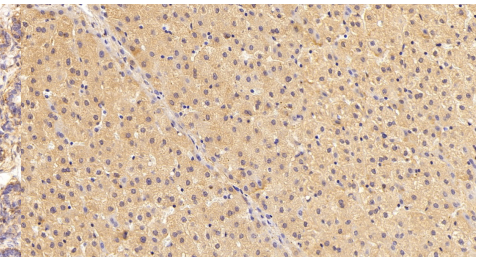
DAB staining on IHC-P;
Samples: Human Glioma Tissue;
Primary Ab: 10µg/ml Rabbit Anti-Human Grb10 Antibody
Second Ab: 2µg/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody
(Catalog: SAA544Rb19)



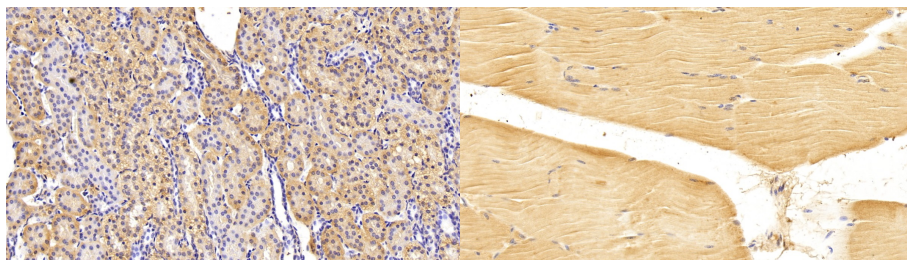
DAB staining on IHC-P;
Sample: Porcine Cerebrum Tissue;
Primary Ab: 20µg/ml Rabbit Anti-Human Grb10 Antibody
Second Ab: 2µg/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody
(Catalog: SAA544Rb19)



DAB staining on IHC-P;
Sample: Porcine Uterus Tissue;
Primary Ab: 20µg/ml Rabbit Anti-Human Grb10 Antibody
Second Ab: 2µg/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody
(Catalog: SAA544Rb19)



DAB staining on IHC-P;
Sample: Porcine Liver Tissue;
Primary Ab: 20µg/ml Rabbit Anti-Human Grb10 Antibody
Second Ab: 2µg/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody
(Catalog: SAA544Rb19)



DAB staining on IHC-P;

Sample: Porcine Kidney Tissue;

Primary Ab: 20µg/ml Rabbit Anti-

Human Grb10 Antibody

Second Ab: 2µg/mL HRP-Linked

Caprine Anti-Rabbit IgG Polyclonal
Antibody

(Catalog: SAA544Rb19)

DAB staining on IHC-P;

Sample: Porcine Skeletal muscle

Tissue;

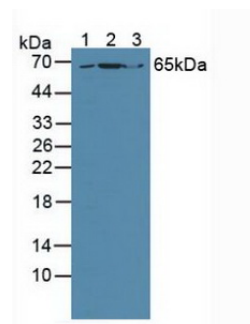
Primary Ab: 20µg/ml Rabbit Anti-

Human Grb10 Antibody

Second Ab: 2µg/mL HRP-Linked

Caprine Anti-Rabbit IgG Polyclonal
Antibody

(Catalog: SAA544Rb19)



Western Blot; Sample: Lane1: Human

Lung lysate; Lane2: HeLa cell lysate;

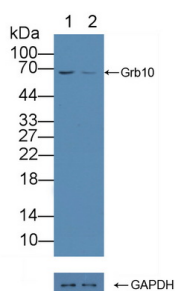
Lane3: Mouse Brain lysate

Primary Ab: 1µg/ml Rabbit Anti-Human
Grb10 Antibody

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

Antibody

(Catalog: SAA544Rb19)



Knockout Varification:

Lane 1: Wild-type HeLa cell lysate;

Lane 2: Grb10 knockout HeLa cell
lysate;

Predicted MW: 67,62kd

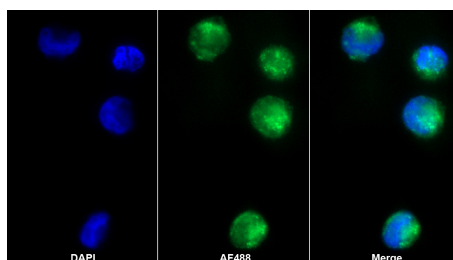
Observed MW: 65kd

Primary Ab: 1µg/ml Rabbit Anti-Human
Grb10 Antibody

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

Antibody

(Catalog: SAA544Rb19)



AF488 staining on IF;

Sample: K562 cell

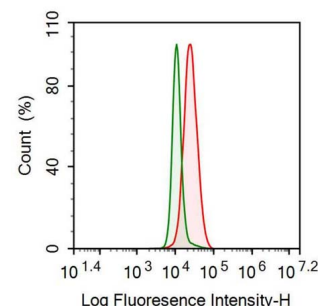
Primary Ab: 20µg/ml Rabbit Anti-

Human Grb10 Antibody

Second Ab: 2µg/ml AF488-Linked
Caprine Anti-Rabbit IgG Polyclonal

Antibody

(Catalog: SAA544Rb11)



Human K562 cell was fixed with 2%
paraformaldehyde (10 min) ,

permeabilised with 0.1% BSA-Triton
X-100, then stained with 20µg/ml rabbit
Anti-human Grb10 Polyclonal Antibody
(Catalog PAF468Hu01, red histogram)

or Isotype control antibody (Catalog
IS067-Rb01, green histogram), followed
by 1µg/ml FITC-conjugated Anti-rabbit
IgG Secondary Antibody (Catalog
SAA544Rb18).

[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.