MAB040Hu23

Monoclonal Antibody to Vimentin (VIM)

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: Monoclonal antibody preparation

Host: Mouse

Antibody isotype: IgG2b Kappa

Purification: Protein A + Protein G affinity chromatography

Clone number: C5

Traits: Liquid

Concentration: 1mg/mL

UOM: 200μL

Cross Reactivity: Rabbit;Caprine;Canine;Porcine;Bovine;Caprine;Ovine;Gallus

Applications: WB; IHC; ICC; IP.

[IMMUNOGEN]

Immunogen: Recombinant VIM (Ser2~Glu466) expressed in *E.coli*

Accession No.: RPB040Hu01

[APPLICATIONS]

Western blotting: 0.01-2μg/mL

Immunohistochemistry: 5-20μg/mL

Immunocytochemistry: 5-30μg/mL

Optimal working dilutions must be determined by end user.

[FORMULATION]

Form & Buffer: Supplied as solution form in PBS, pH7.4, containing 0.02% NaN3, 50% glycerol.

[STORAGE AND STABILITY]

Storage: Avoid repeated freeze/thaw cycles.

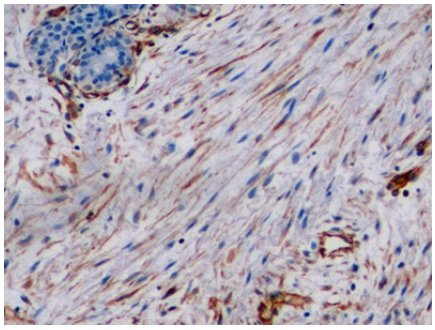
Store at 4ºC for frequent use.

Aliquot and store at -20ºC for 24 months.

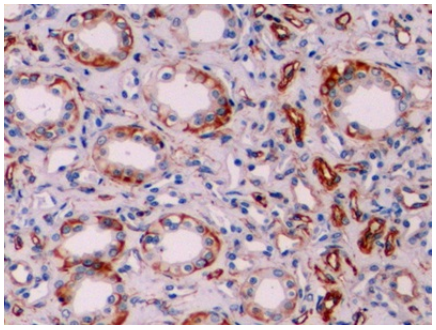
Stability Test: The thermal stability is described by the loss rate. The loss rate was determined

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.

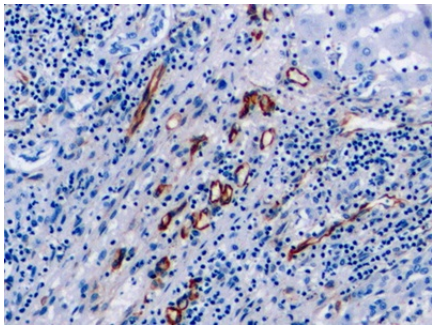
[IDENTIFICATION]



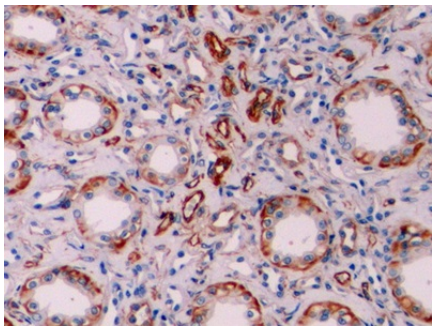
DAB staining on IHC-P; Sample: Human Breast cancer Tissue; Primary Ab: 10μg/ml Mouse Anti-Human VIM Antibody Second Ab: 2μg/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody (Catalog: SAA544Mu19)



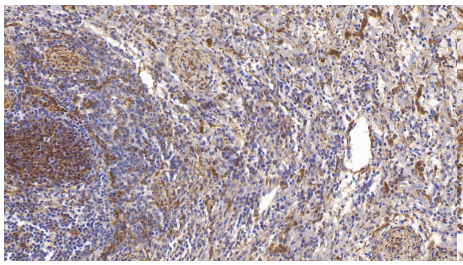
DAB staining on IHC-P; Sample: Human Kidney Tissue; Primary Ab: 10μg/ml Mouse Anti-Human VIM Antibody Second Ab: 2μg/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody (Catalog: SAA544Mu19)



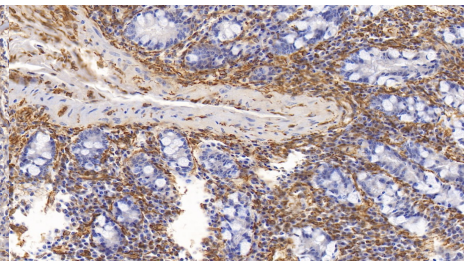
DAB staining on IHC-P; Sample: Human Liver cancer Tissue; Primary Ab: 10μg/ml Mouse Anti-Human VIM Antibody Second Ab: 2μg/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody (Catalog: SAA544Mu19)



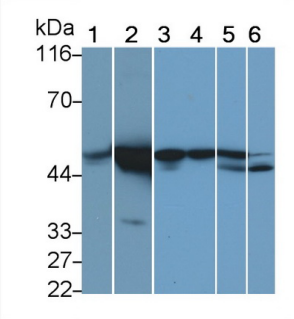
DAB staining on IHC-P; Sample: Porcine Kidney Tissue; Primary Ab: 10μg/ml Mouse Anti-Human VIM Antibody Second Ab: 2μg/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody (Catalog: SAA544Mu19)



DAB staining on IHC-P; Sample: Porcine Spleen Tissue; Primary Ab: 20μg/ml Mouse Anti-Human VIM Antibody Second Ab: 2μg/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody (Catalog: SAA544Mu19)



DAB staining on IHC-P; Sample: Porcine Small intestine Tissue; Primary Ab: 20μg/ml Mouse Anti-Human VIM Antibody Second Ab: 2μg/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody (Catalog: SAA544Mu19)

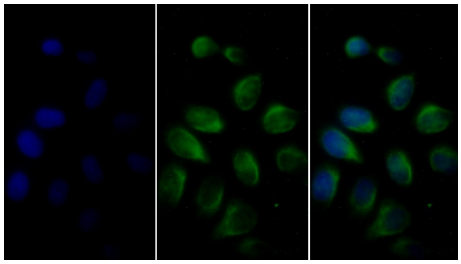


Western Blot; Sample: Lane1: Canine Heart lysate; Lane2: Gallus Heart lysate; Lane3: Porcine Heart lysate; Lane4: Bovine Heart lysate; Lane5: Caprine Heart lysate; Lane6: Caprine Heart lysate

Primary Ab: 0.1μg/ml Mouse Anti-Human VIM Antibody

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

(Catalog: SAA544Mu19)



FITC staining on IF;

Sample: Human MCF7 cell;

Primary Ab: 30μg/ml Mouse Anti-Human VIM Antibody

Second Ab: 1μg/ml FITC-Linked Caprine Anti-Mouse IgG Polyclonal Antibody

(Catalog: SAA544Mu18)

[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.