**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.

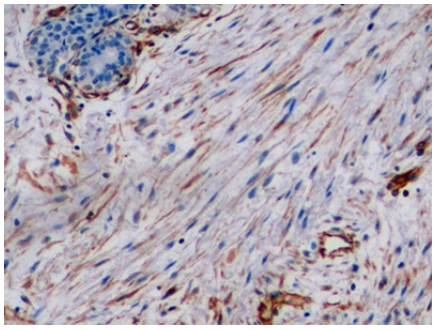
Store at 4ºC for frequent use.

Aliquot and store at -20ºC for 24 months.

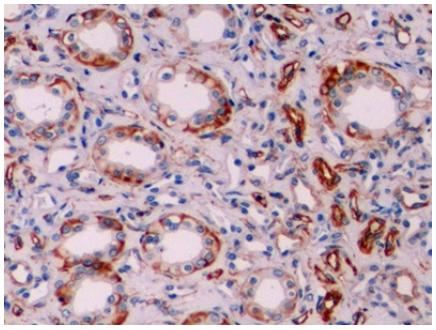
**Stability Test:** The thermal stability is described by the loss rate. The loss rate was determined

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.

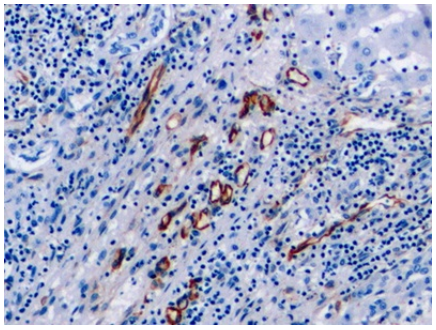
## [ IDENTIFICATION ]



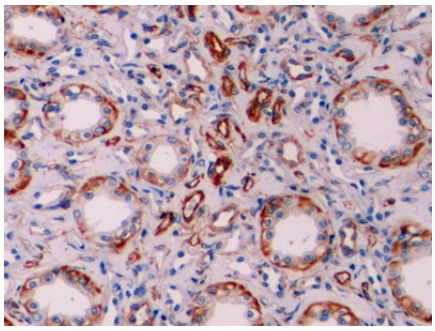
DAB staining on IHC-P; Sample: Human Breast cancer Tissue; Primary Ab: 10μg/ml Mouse Anti-Human VIM Antibody Second Ab: 2μg/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody (Catalog: SAA544Mu19)



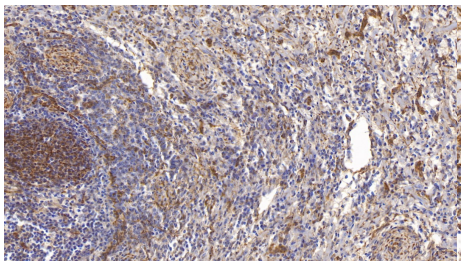
DAB staining on IHC-P; Sample: Human Kidney Tissue; Primary Ab: 10μg/ml Mouse Anti-Human VIM Antibody Second Ab: 2μg/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody (Catalog: SAA544Mu19)



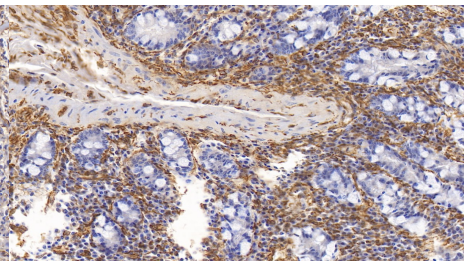
DAB staining on IHC-P; Sample: Human Liver cancer Tissue; Primary Ab: 10μg/ml Mouse Anti-Human VIM Antibody Second Ab: 2μg/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody (Catalog: SAA544Mu19)



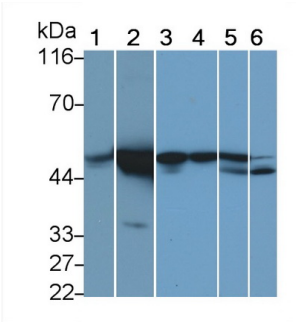
DAB staining on IHC-P; Sample: Porcine Kidney Tissue; Primary Ab: 10μg/ml Mouse Anti-Human VIM Antibody Second Ab: 2μg/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody (Catalog: SAA544Mu19)



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)

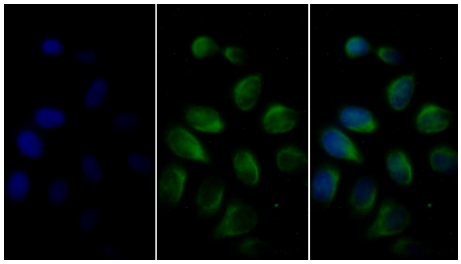



Western Blot; Sample: Lane1: Canine Heart lysate; Lane2: Gallus Heart lysate; Lane3: Porcine Heart lysate; Lane4: Bovine Heart lysate; Lane5: Caprine Heart lysate; Lane6: Caprine Heart lysate

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.