

MAB870Hu22

Monoclonal Antibody to Tubulin Beta (TUBb)

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: C1

Traits: Liquid

Concentration: 1mg/mL

UOM: 100µg(100µL)

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

Applications: WB; IHC; ICC/IF; FCM

[IMMUNOGEN]

Immunogen: Recombinant TUBb (Val170~Val419) expressed in *E.coli*

Accession No.: RPB870Hu01

[APPLICATIONS]

Western blotting: 0.01-2µg/mL;

Immunohistochemistry: 5-20µg/mL;

Immunofluorescence: 5-20µg/mL;

Flow cytometry: 10µg/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]

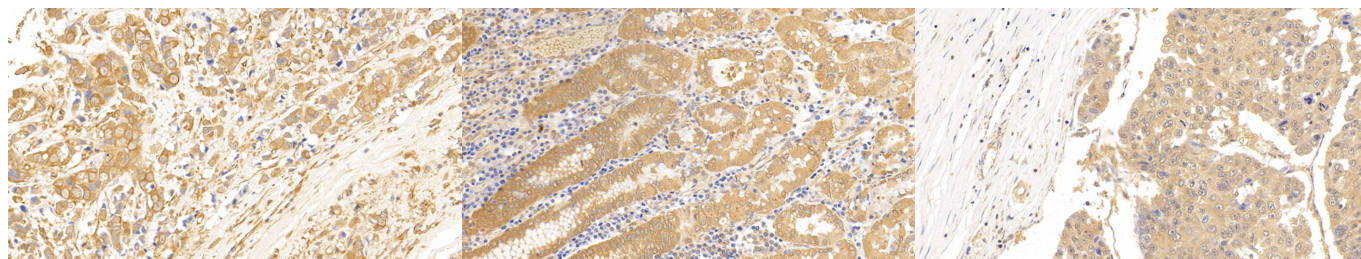
Storage: Avoid repeated freeze/thaw cycles.

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.

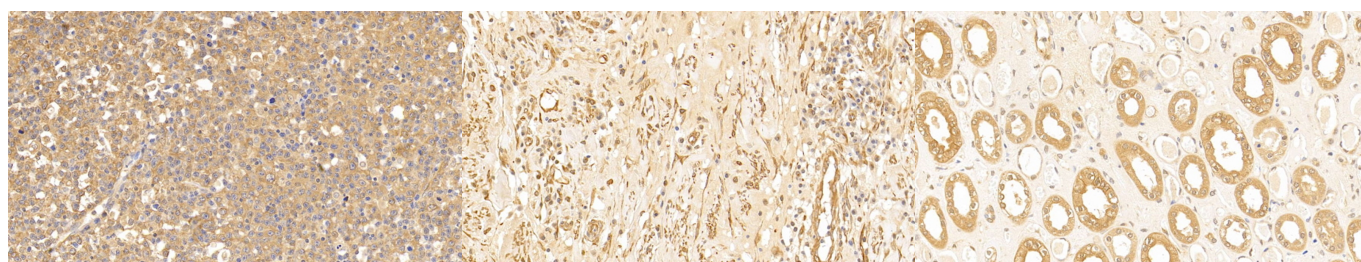
[IDENTIFICATION]



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

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

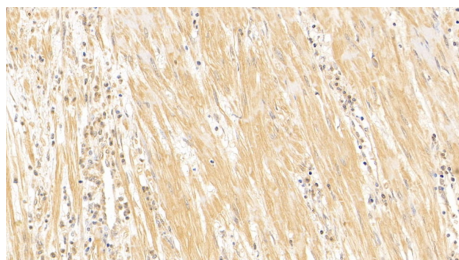
DAB staining on IHC-P;
Sample: Human Liver cancer Tissue;
Primary Ab: 10µg/ml Mouse Anti-
Human TUBb Antibody
Second Ab: 2µg/mL HRP-Linked
Caprine Anti-Mouse IgG Polyclonal
Antibody
(Catalog: SAA544Mu19)



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

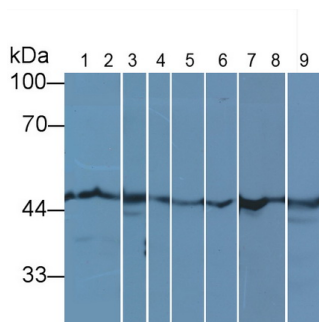
DAB staining on IHC-P;
Sample: Human Endometrial cancer
Tissue;
Primary Ab: 10µg/ml Mouse Anti-
Human TUBb Antibody
Second Ab: 2µg/mL HRP-Linked
Caprine Anti-Mouse IgG Polyclonal
Antibody
(Catalog: SAA544Mu19)

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



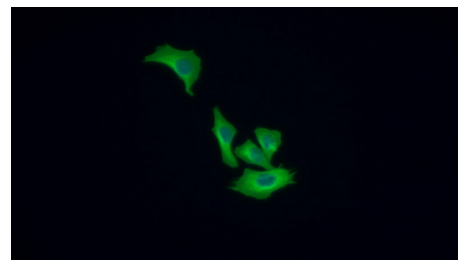
DAB staining on IHC-P;

Sample: Human Prostate Tissue;
Primary Ab: 10µg/ml Mouse Anti-Human TUBb Antibody
Second Ab: 2µg/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody
(Catalog: SAA544Mu19)



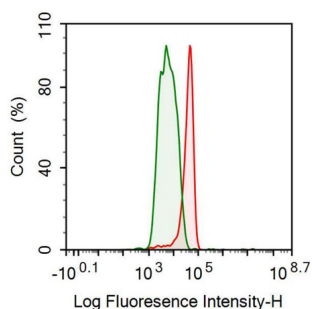
Western Blot; Sample: Lane1: Hela cell lysate; Lane2: HepG2 cell lysate; Lane3: Cavia Kidney lysate; Lane4: Canine Kidney lysate; Lane5: Gallus Kidney lysate; Lane6: Bovine Kidney lysate; Lane7: Rabbit Cerebrum lysate; Lane8: Rabbit Kidney lysate; Lane9: Caprine Kidney lysate

Primary Ab: 1µg/ml Mouse Anti-Human TUBb Antibody
Second Ab: 0.2µg/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody
(Catalog: SAA544Mu19)



FITC staining on IF;

Samples: Human HepG2 cell;
Primary Ab: 20µg/ml Mouse Anti-Human TUBb Antibody
Second Ab: 1µg/ml FITC-Linked Caprine Anti-Mouse IgG Polyclonal Antibody
(Catalog: SAA544Mu18)



Human SH-SY5Y cell line was stained with 10µg/ml mouse Anti-human TUBb Monoclonal Antibody (Catalog MAB870Hu22, red histogram) or Isotype control antibody (Catalog IS067-Mu03, green histogram), followed by 1µg/ml FITC-conjugated

Anti-mouse IgG Secondary 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.