

MAC206Hu23

Monoclonal Antibody to Histone Deacetylase 1 (HDAC1)

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: E31

Traits: Liquid

Concentration: 1mg/mL

UOM: 100μL

Cross Reactivity: N/A

Applications: WB; IHC; ICC/IF; FCM

[IMMUNOGEN]

Immunogen: Recombinant HDAC1 (Met1~Ala482) expressed in *E.coli*

Accession No.: RPC206Hu01

[APPLICATIONS]

Western blotting: 0.01-2μg/mL;

Immunohistochemistry: 5-20μg/mL;

Immunofluorescence: 5-30μg/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]

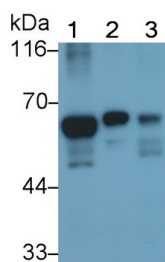
Storage: Avoid repeated freeze/thaw cycles.

Store at 4°C for frequent use.

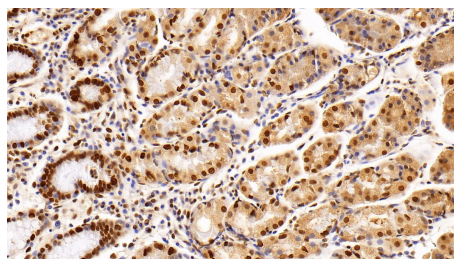
Aliquot and store at -20°C for 24 months.

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.

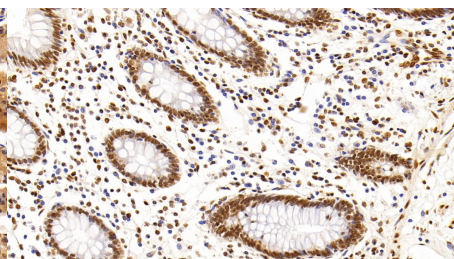
[IDENTIFICATION]



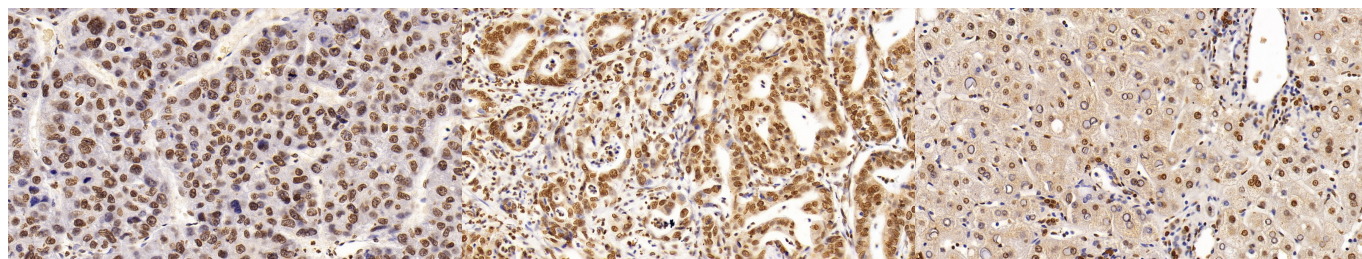
Western Blot; Sample: Lane1: Human Lung lysate; Lane2: A549 cell lysate; Lane3: HepG2 cell lysate Primary Ab: 0.2 μ g/ml Mouse Anti-Human HDAC1 Antibody Second Ab: 0.2 μ g/mL HRP-Linked Rabbit Anti-Mouse IgG Polyclonal Antibody (Catalog: SAA544Mu19)



DAB staining on IHC-P; Sample: Human Stomach Tissue; Primary Ab: 10 μ g/ml Mouse Anti-Human HDAC1 Antibody Second Ab: 2 μ g/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody (Catalog: SAA544Mu19)



DAB staining on IHC-P; Sample: Human Rectum Tissue; Primary Ab: 10 μ g/ml Mouse Anti-Human HDAC1 Antibody Second Ab: 2 μ g/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody (Catalog: SAA544Mu19)

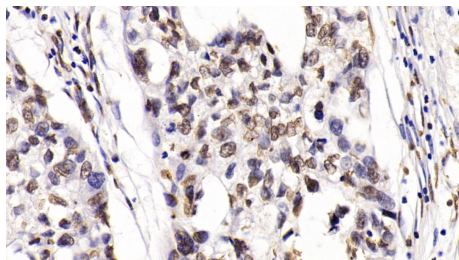


DAB staining on IHC-P; Sample: Human Liver cancer Tissue; Primary Ab: 10 μ g/ml Mouse Anti-Human HDAC1 Antibody Second Ab: 2 μ g/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody (Catalog: SAA544Mu19)

DAB staining on IHC-P; Sample: Human Stomach cancer Tissue; Primary Ab: 10 μ g/ml Mouse Anti-Human HDAC1 Antibody Second Ab: 2 μ g/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody

DAB staining on IHC-P; Sample: Human Liver Tissue; Primary Ab: 10 μ g/ml Mouse Anti-Human HDAC1 Antibody Second Ab: 2 μ g/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody (Catalog: SAA544Mu19)

(Catalog: SAA544Mu19)



DAB staining on IHC-P;

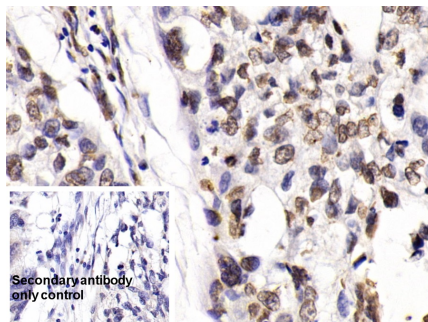
Sample: Human Ovarian cancer

Tissue;

Primary Ab: 10µg/ml Mouse Anti-Human HDAC1 Antibody

Second Ab: 2µg/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody

(Catalog: SAA544Mu19)



DAB staining on IHC-P;

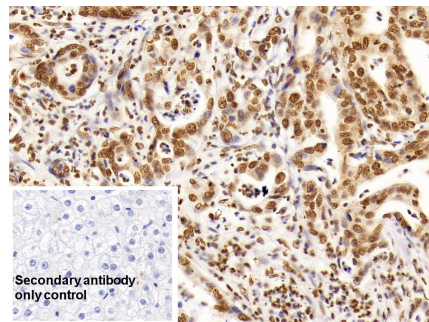
Sample: Human Ovarian cancer Tissue

Primary Ab: 10µg/ml Mouse Anti-Human HDAC1 Antibody

Control: Used PBS instead of primary antibody

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

(Catalog: SAA544Mu19)



DAB staining on IHC-P;

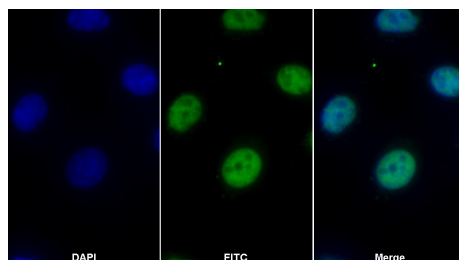
Sample: Human Liver Tissue

Primary Ab: 10µg/ml Mouse Anti-Human HDAC1 Antibody

Control: Used PBS instead of primary antibody

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

(Catalog: SAA544Mu19)



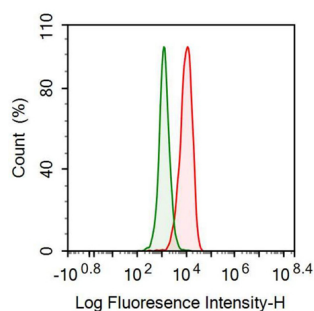
FITC staining on IF;

Sample: HeLa cell

Primary Ab: 30µg/ml Mouse Anti-Human HDAC1 Antibody

Second Ab: 2µg/ml FITC-Linked Caprine Anti-Mouse IgG Polyclonal Antibody

(Catalog: SAA544Mu11)



Human Jurkat cell line was fixed with 2% paraformaldehyde (10 min) , permeabilised with 0.2% BSA-Triton X-100, then stained with 10µg/ml mouse Anti-human HDAC1 Monoclonal Antibody (Catalog MAC206Hu23, 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.