

**MAC206Hu22**

**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

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13th Edition (Revised in Aug, 2023)

**[ PROPERTIES ]**

**Source:** Monoclonal antibody preparation

**Host:** Mouse

**Antibody isotype:** IgG1 Kappa

**Purification:** Protein A + Protein G affinity chromatography

**Clone number:** E22

**Traits:** Liquid

**Concentration:** 1mg/mL

**UOM:** 100µl

**Cross Reactivity:** Mouse; Rat; Bovine

**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:5-20µg/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 ]**

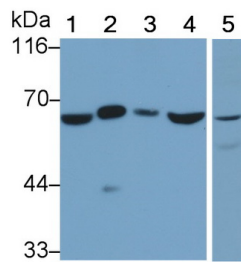
**Storage:** Avoid repeated freeze/thaw cycles.

Store at 4°C for frequent use.

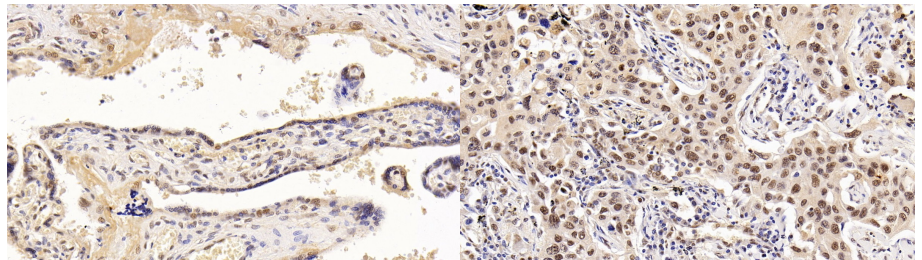
Aliquot and store at -20°C for 24 months.

**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 ]**

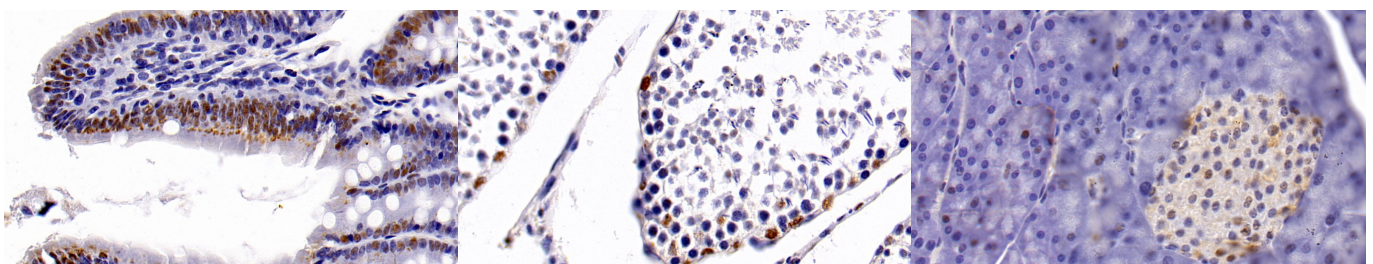


Western Blot; Sample: Lane1: Human Lung lysate; Lane2: A549 cell lysate; Lane3: HepG2 cell lysate; Lane4: Bovine Testis lysate; Lane5: Rat Testis lysate Primary Ab: 0.2µg/ml Mouse Anti-Human HDAC1 Antibody Second Ab: 0.2µg/mL HRP-Linked Rabbit Anti-Mouse IgG Polyclonal Antibody (Catalog: SAA544Mu19)



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

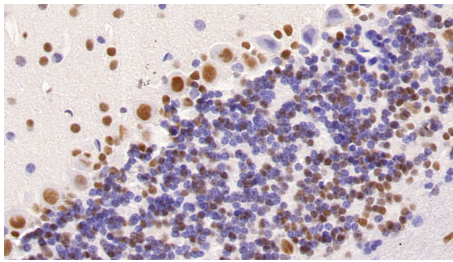


DAB staining on IHC-P; Sample: Rat Colon Tissue; Primary Ab: 10ug/ml Mouse Anti-Human HDAC1 Antibody Second Ab: 2µg/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody

DAB staining on IHC-P; Sample: Rat Testis Tissue; Primary Ab: 10ug/ml Mouse Anti-Human HDAC1 Antibody Second Ab: 2µg/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody

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

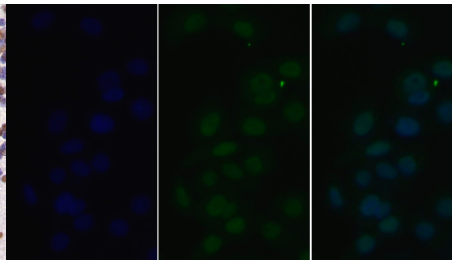
(Catalog: SAA544Mu19)



DAB staining on IHC-P;

Sample: Mouse Cerebellum Tissue;  
 Primary Ab: 10ug/ml Mouse Anti-Human HDAC1 Antibody  
 Second Ab: 2µg/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody  
 (Catalog: SAA544Mu19)

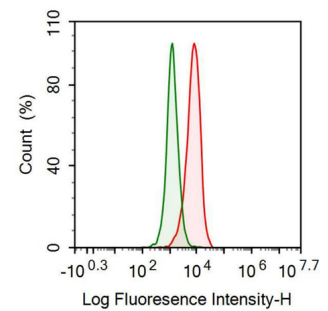
(Catalog: SAA544Mu19)



FITC staining on IF;

Sample: Human HeLa cell;  
 Primary Ab: 20ug/ml Mouse Anti-Human HDAC1 Antibody  
 Second Ab: 4µg/ml FITC-Linked Caprine Anti-Mouse IgG Polyclonal Antibody  
 (Catalog: SAA544Mu18)

(Catalog: SAA544Mu19)



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 MAC206Hu22, red histogram) or Isotype control antibody (Catalog IS067-Mu01, 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.