

**MAC206Hu27**

**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:** IgG2a Kappa

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

**Clone number:** E21

**Traits:** Liquid

**Concentration:** 0.26mg/mL

**UOM:** 100µL

**Cross Reactivity:** N/A

**Applications:** WB; IHC; ICC; IP.

**[ IMMUNOGEN ]**

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

**Accession No.:** RPC206Hu01

**[ 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% NaN<sub>3</sub>, 50% glycerol.

**[ STORAGE AND STABILITY ]**

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

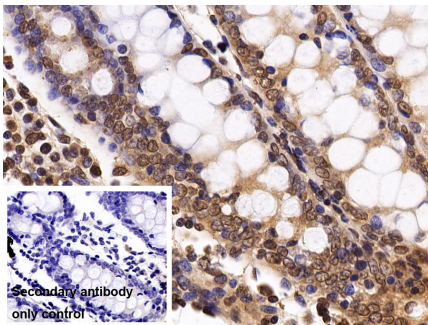
Store at 4°C for frequent use.

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;

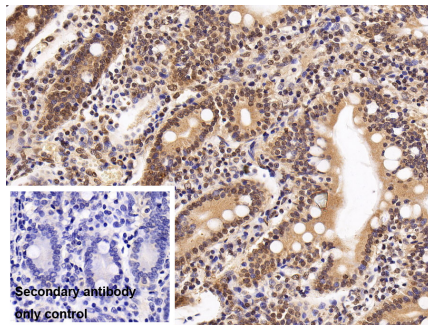
Sample: Porcine Colon Tissue

Primary Ab: 20µg/ml Mouse Anti-Human HDAC1 Antibody

Control: Used PBS instead of primary antibody

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

(Catalog: SAA544Mu19)



DAB staining on IHC-P;

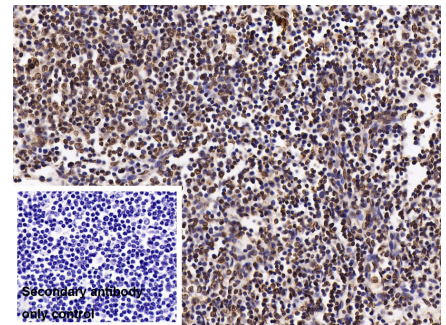
Sample: Porcine Small intestine Tissue

Primary Ab: 20µg/ml Mouse Anti-Human HDAC1 Antibody

Control: Used PBS instead of primary antibody

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

(Catalog: SAA544Mu19)



DAB staining on IHC-P;

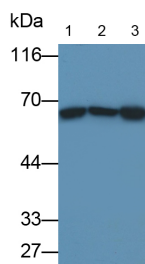
Sample: Porcine Lymph node Tissue

Primary Ab: 20µg/ml Mouse Anti-Human HDAC1 Antibody

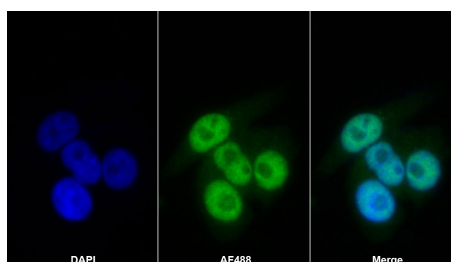
Control: Used PBS instead of primary antibody

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

(Catalog: SAA544Mu19)



Western Blot; Samples: Lane1: Human Lung lysate; Lane2: A549 cell lysate; Lane3: HepG2 cell lysate; Primary Ab: 0.2µg/ml Mouse Anti-Human HDAC1 Antibody Second Ab: 0.2?g/ml HRP-Linked



AF488 staining on IF;

Sample: HepG2 cell

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

Second Ab: 2?g/ml AF488-Linked Caprine Anti-Mouse IgG Polyclonal Antibody

Caprine Anti-Mouse IgG Polyclonal

(Catalog: SAA544Mu11)

Antibody

(Catalog: SAA544Mu19)

**[ 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.