

## HDAC2 (2D9) MOUSE MAB

**Cat.#:** N261418

**Product Name:** Anti-HDAC2 (2D9) Mouse Monoclonal Antibody

**Synonyms:** HDAC2; Histone deacetylase 2; HD2

**UNIPROT ID:** Q92769

**Background:** In the intact cell, DNA closely associates with histones and other nuclear proteins to form chromatin. The remodeling of chromatin is believed to be a critical component of transcriptional regulation and a major source of this remodeling is brought about by the acetylation of nucleosomal histones. Acetylation of lysine residues in the amino-terminal tail domain of histone results in an allosteric change in the nucleosomal conformation and an increased accessibility to transcription factors by DNA.

**Immunogen:** Purified recombinant human HDAC2 protein fragments expressed in E.coli.

**Applications:** WB, ICC/IF

**Recommended Dilutions:** WB: 1/500-1/1000 IF: 1/50-1/200

**Host Species:** Mouse

**Clonality:** Mouse Monoclonal

**Clone ID:** 2D9-F6-G7

**MW:** Calculated MW: 55 kDa; Observed MW: 60 kDa

**Isotype:** IgG2b

**Purification:** Affinity Purified

**Species Reactivity:** Human, Mouse, Rat, Monkey

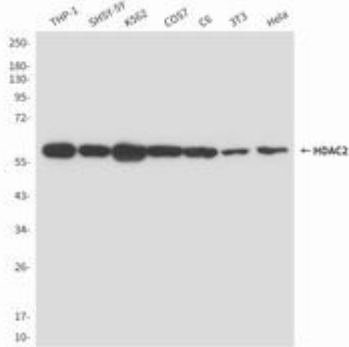
**Conjugation:** Unconjugated

**Modification:** Unmodified

**Constituents:** PBS (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.3 containing 50% glycerol, 0.5% BSA and 0.02% sodium azide

**Research Areas:** Epigenetics and Nuclear Signaling

**Storage & Shipping:** Store at -20°C. Avoid repeated freezing and thawing



Western blot analysis of HDAC2 in THP-1, SH-SY5Y, K562, COS7, C6, 3T3 and Hela lysates using HDAC2 antibody.