

## Product Datasheet

# HDAC11 Antibody

Catalog No: CY5033

Reactivity: Human

Isotype: Rabbit IgG

Applications: WB, IP



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### Information

**UniProt ID:** Q96DB2

**All Names:** HDAC11; HD11; Histone deacetylase 11; FLJ22237;

**Form:** Liquid

**Storage instructions:** Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

**Storage buffer:** pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

**Purity:** Affinity-chromatography

**Immunogen:** A synthesized peptide

**Molecular Wt.:** 39 kDa

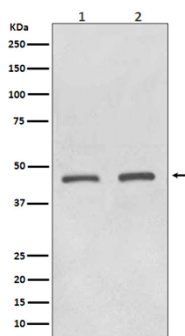
### Application

WB: 1:1000~1:2000

IP : 1:50

### Background

Histone deacetylases (HDACs) play an important role in the modification of chromatin structure and thus in the suppression and activation of transcription and cellular differentiation. There are 11 members in the HDAC family that are classified into four classes. Class I HDACs represent homologs of the yeast histone deacetylase RPD3, class II HDACs share strong homology with the yeast histone deacetylase HDA1, class III HDAC are closely related to the yeast SIR2 protein, and class IV HDACs comprises Histone deacetylase 11 (HDAC11)-related enzymes. HDAC11 contains 347 amino acid residues. HDAC11 contains conserved residues in the catalytic core regions shared by both class I and II mammalian HDAC enzymes. Expression of HDAC11 is high in the kidney, heart, brain, skeletal muscle, and testis, and it localizes to the cell nucleus. The human gene encoding for HDAC11 maps to chromosome 3p25.



Western blot analysis of HDAC11 expression in (1)Jurkat cell lysate;(2)MCF7 cell lysate.

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