

Anti-HDAC6 Polyclonal Antibody

Product Details

Ig Type: IgG
Reactivity: Human
Molecular Weight: Theoretical: 134 kDa. Actual: 134 kDa.
Purification: Protein A purified

Applications

1. Sample:

HepG2 (Human) Cell Lysate at 30 µg

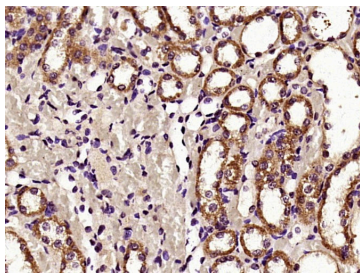
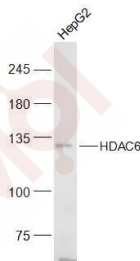
Primary: Anti-HDAC6 (TMAB-00841) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 134 kDa

Verified Activity: Observed band size: 134 kDa

2. Paraformaldehyde-fixed, paraffin embedded (Rat kidney); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (HDAC6) Polyclonal Antibody, Unconjugated (TMAB-00841) at 1:400 overnight at 4°C, followed by a conjugated secondary antibody for 20 min and DAB staining.



Application: WB,IHC-P,IHC-F,IF,ICC/IF

Recommended WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,ICC/IF=1:50-200

Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: KLH conjugated synthetic peptide: human HDAC6

Antigen Species: Human

Gene ID: 10013

Uniprot ID: Q9UBN7

Biology Area: Acetylation, Class II / Hda1 Class, HDACs

Research Background

HDAC6 is a member of the class II mammalian histone deacetylases. Human HDAC6 is composed of 1215 amino acid residues. It possesses two separate putative catalytic domains. Both catalytic domains are fully functional HDACs and contribute independently to the overall activity of HDAC6 protein. A very potent NES is present at the amino-terminus of HDAC6, which was found to play an important role in regulating the shuttling of HDAC6 protein between cytoplasm and nucleus. The shuttling process may be a critical regulatory mechanism of HDAC6 function. The expression of HDAC6 is tightly linked to the state of cell differentiation. HDAC6 may participate in coordinating expression of a group of genes involved in the remodelling of chromatin during cell differentiation.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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