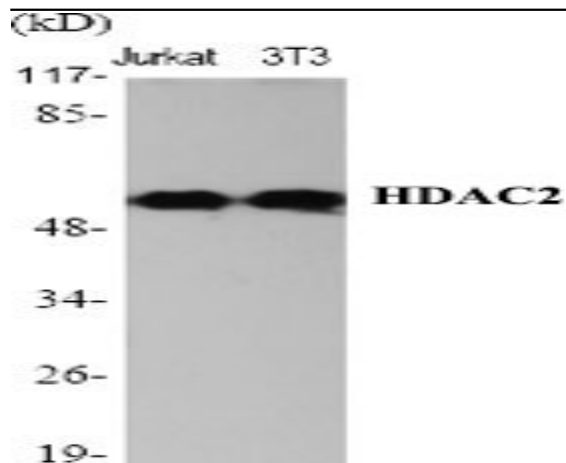


HDAC2 Polyclonal Antibody

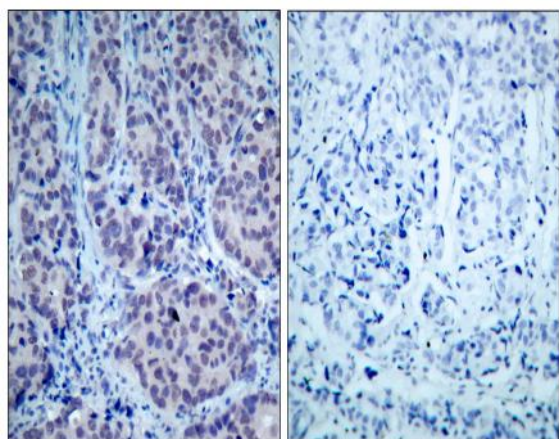
Catalog No :	YT2113
Reactivity :	Human;Mouse;Rat;Monkey
Applications :	WB;IHC;IF;ELISA
Target :	HDAC2
Fields :	>>Cell cycle;>>Longevity regulating pathway - multiple species;>>Notch signaling pathway;>>Neutrophil extracellular trap formation;>>Thyroid hormone signaling pathway;>>Huntington disease;>>Amphetamine addiction;>>Alcoholism;>>Human papillomavirus infection;>>Epstein-Barr virus infection;>>Pathways in cancer;>>Transcriptional misregulation in cancer;>>Viral carcinogenesis;>>MicroRNAs in cancer;>>Chronic myeloid leukemia
Gene Name :	HDAC2
Protein Name :	Histone deacetylase 2
Human Gene Id :	3066
Human Swiss Prot No :	Q92769
Mouse Gene Id :	15182
Mouse Swiss Prot No :	P70288
Immunogen :	The antiserum was produced against synthesized peptide derived from human HDAC2. AA range:360-409
Specificity :	HDAC2 Polyclonal Antibody detects endogenous levels of HDAC2 protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. IHC 1:100 - 1:300. ELISA: 1:40000.. IF 1:50-200

Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Observed Band :	55kD
Cell Pathway :	Cell_Cycle_G1S;Cell_Cycle_G2M_DNA; Protein_Acetylation
Background :	This gene product belongs to the histone deacetylase family. Histone deacetylases act via the formation of large multiprotein complexes, and are responsible for the deacetylation of lysine residues at the N-terminal regions of core histones (H2A, H2B, H3 and H4). This protein forms transcriptional repressor complexes by associating with many different proteins, including YY1, a mammalian zinc-finger transcription factor. Thus, it plays an important role in transcriptional regulation, cell cycle progression and developmental events. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Apr 2010],
Function :	catalytic activity:Hydrolysis of an N(6)-acetyl-lysine residue of a histone to yield a deacetylated histone.,function:Forms transcriptional repressor complexes by associating with MAD, SIN3, YY1 and N-COR. Interacts in the late S-phase of DNA-replication with DNMT1 in the other transcriptional repressor complex composed of DNMT1, DMAP1, PCNA, CAF1.,function:Responsible for the deacetylation of lysine residues on the N-terminal part of the core histones (H2A, H2B, H3 and H4). Histone deacetylation gives a tag for epigenetic repression and plays an important role in transcriptional regulation, cell cycle progression and developmental events. Histone deacetylases act via the formation of large multiprotein complexes.,sequence caution:Intron retention.,similarity:Belongs to the histone deacetylase family. Type 1 subfamily.,subunit:Interacts with the non-histone region of H2AFY (By similarity
Subcellular Location :	Nucleus . Cytoplasm .
Expression :	Widely expressed; lower levels in brain and lung.

Products Images



Western Blot analysis of various cells using HDAC2 Polyclonal Antibody diluted at 1:2000



Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue, using HDAC2 Antibody. The picture on the right is blocked with the synthesized peptide.