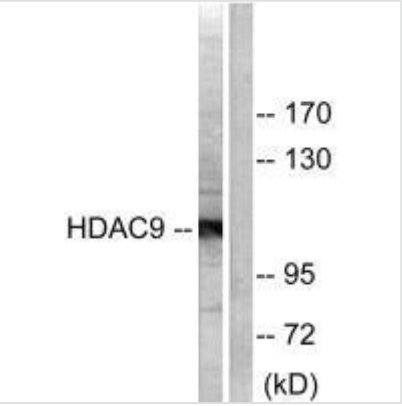
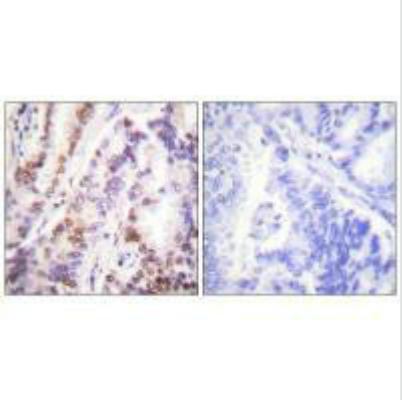
HDAC9 Antibody

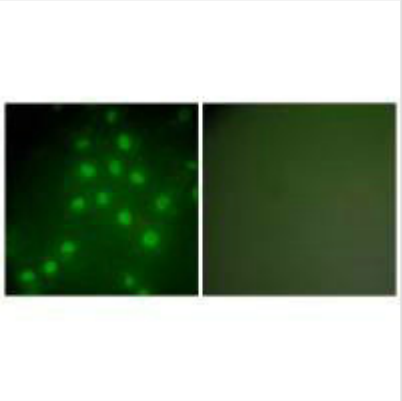
Product Code	CSB-PA831141
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	Q9UKV0
Immunogen	Synthesized peptide derived from Human HDAC9.
Raised In	Rabbit
Species Reactivity	Human
Specificity	The antibody detects endogenous levels of total HDAC9 protein.
Tested Applications	ELISA,WB,IHC,IF;WB:1:500-1:3000,IHC:1:50-1:100,IF:1:100-1:500
Relevance	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. Represses MEF2-dependent transcription. Isoform 3 lacks active site residues and therefore is catalytically inactive. Represses MEF2-dependent transcription by recruiting HDAC1 and/or HDAC3. Seems to inhibit skeletal myogenesis and to be involved in heart development. Protects neurons from apoptosis, both by inhibiting JUN phosphorylation by MAPK10 and by repressing JUN transcription via HDAC1 recruitment to JUN promoter. Michael Haberland, Mol. Cell. Biol., Jan 2007; 27: 518 - 525. Xianbo Zhou, PNAS, Sep 2001; 98: 10572. Kevin Petrie, J. Biol. Chem., Apr 2003; 278: 16059 - 16072. Kevin Petrie, Blood (ASH Annual Meeting Abstracts), Nov 2004; 104: 1120.
Form	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purification Method	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Alias	HDAC7B; HDAC9A; MITR; HISTONE DEACETYLASE 7B; KIAA0744 HISTONE DEACETYLASE 9A
Product Type	Polyclonal Antibody
Species	Homo sapiens (Human)
Target Names	HDAC9
Image	



Western blot analysis of extracts from HepG2 cells, using HDAC9 antibody.



Immunohistochemical analysis of paraffin-embedded human lung carcinoma tissue using HDAC9 antibody.



Immunofluorescence analysis of HepG2 cells, using HDAC9 antibody.