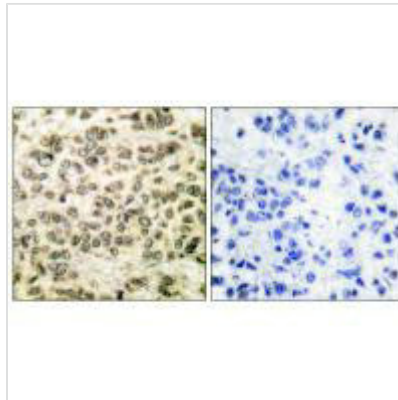


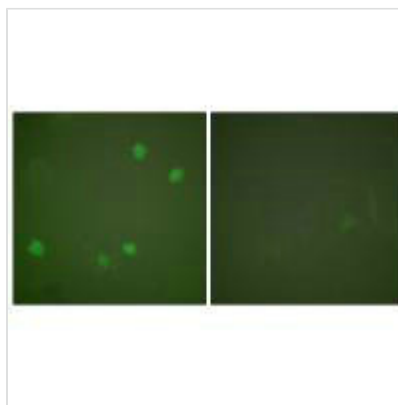


HDAC3 Antibody

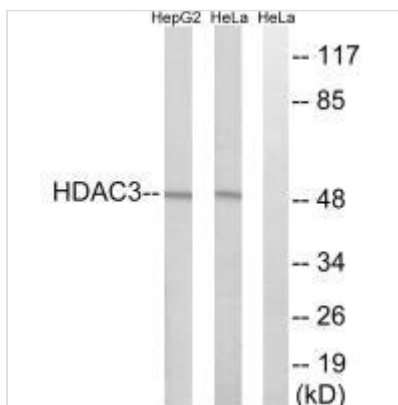
Product Code	CSB-PA967736
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	O15379
Immunogen	Synthesized peptide derived from C-terminal of Human HDAC3.
Raised In	Rabbit
Species Reactivity	Human,Mouse,Rat
Specificity	The antibody detects endogenous levels of total HDAC3 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), and some other non-histone substrates. 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. Participates in the BCL6 transcriptional repressor activity by deacetylating the H3 'Lys-27' (H3K27) on enhancer elements, antagonizing EP300 acetyltransferase activity and repressing proximal gene expression. Probably participates in the regulation of transcription through its binding to the zinc-finger transcription factor YY1; increases YY1 repression activity. Required to repress transcription of the POU1F1 transcription factor. Acts as a molecular chaperone for shuttling phosphorylated NR2C1 to PML bodies for sumoylation. Xiaohong Zhang, Genes & Dev., Apr 2005; 19: 827 - 839. Zhanguo Gao, J. Biol. Chem., Feb 2006; 281: 4540 - 4547. Andrew J. Wilson, J. Biol. Chem., May 2006; 281: 13548 - 13558.
Form	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), 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	Histone deacetylase 3; HD3; RPD3-2; SMAP45;
Product Type	Polyclonal Antibody
Species	Homo sapiens (Human)
Target Names	HDAC3
Image	



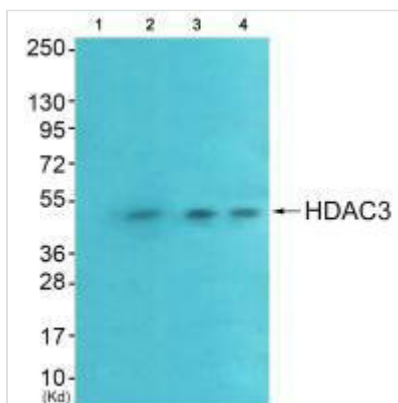
Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using HDAC3 antibody.



Immunofluorescence analysis of COS7 cells, using HDAC3 antibody.



Western blot analysis of extracts from HepG2 cells, using HDAC3 antibody.



Western blot analysis of extracts from HeLa cells (Lane 2), A549 cells (Lane 3) and HepG2 cells (Lane 4), using HDAC3 antibody. The lane on the left is treated with synthesized peptide.