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Product datasheet for AM06268SU-N

HDAC3 Mouse Monoclonal Antibody [Clone ID: 3A7B5]

Product data:

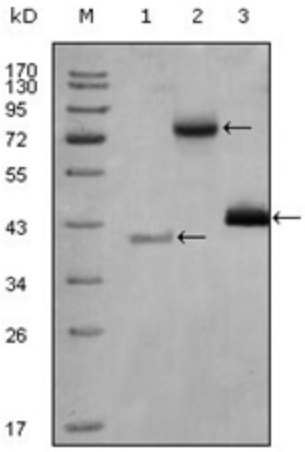
Product Type:	Primary Antibodies
Clone Name:	3A7B5
Applications:	ELISA, IHC, WB
Recommended Dilution:	**ELISA:** 1/10000. **Western Bloting:** 1/500 - 1/2000. **Immunohistochemistry on Paraffin Sections:** 1/200 - 1/1000.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Purified recombinant fragment of HDAC3 (aa224-428) expressed in E. Coli.
Specificity:	Recognizes HDAC3
Formulation:	State: Ascites State: Ascitic fluid containing 0.03% Sodium Azide.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	histone deacetylase 3
Database Link:	Entrez Gene 8841 Human O15379

View online »

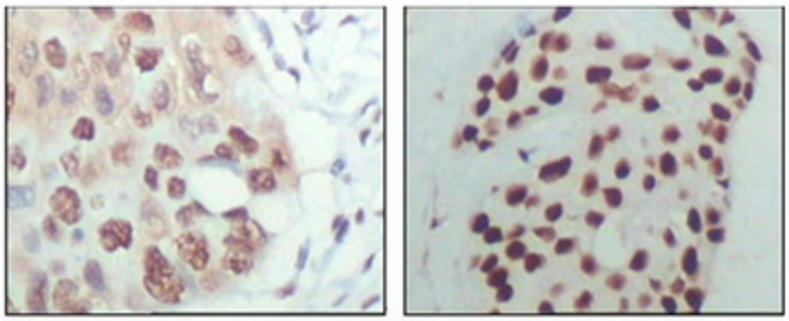
Background: HDAC3: Histone deacetylase 3, also known as HD3, RPD3, RPD3-2. Entrez Protein NC_000005. Histones play a critical role in transcriptional regulation, cell cycle progression, and developmental events. Histone acetylation/deacetylation alters chromosome structure and affects transcription factor access to DNA. The protein encoded by this gene belongs to the histone deacetylase/acuc/apha family. It has histone deacetylase activity and represses transcription when tethered to a promoter. It may participate in the regulation of transcription through its binding with the zinc-finger transcription factor YY1. This protein can also down-regulate p53 function and thus modulate cell growth and apoptosis. This gene is regarded as a potential tumor suppressor gene.

Synonyms: Histone deacetylase 3, RPD3-2, SMAP45, HD3

Product images:



Western blot analysis using HDAC3 antibody Cat.-No AM06268SU-N against truncated Trx-HDAC3 recombinant protein (Lane 1), full length HDAC3-hIgGFc (aa1-428) transfected CHO-K1 cell lysate (Lane 2) and Hela cell lysate (Lane 3).



Immunohistochemical analysis of paraffin-embedded human esophagus cancer (left) and breast carcinoma tissue (right), showing nuclear localization with DAB staining using HDAC3 antibody Cat.-No AM06268SU-N