OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for TA322535

HDAC4 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC
Recommended Dilution:	IHC: 10-50 Positive control: Human tonsil Predicted cell location: Cytoplasm
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide corresponding to a region derived from 536-548 amino acids of Human histone deacetylase 4
Formulation:	PBS pH7.3, 0.05% NaN3, 50% glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	histone deacetylase 4
Database Link:	NP_006028 Entrez Gene 208727 MouseEntrez Gene 363287 RatEntrez Gene 9759 Human P56524
Background:	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 class II of the histone deacetylase/acuc/apha family. It possesses histone deacetylase activity and represses transcription when tethered to a promoter. This protein does not bind DNA directly; but through transcription factors MEF2C and MEF2D. It seems to interact in a multiprotein complex with RbAp48 and HDAC3.

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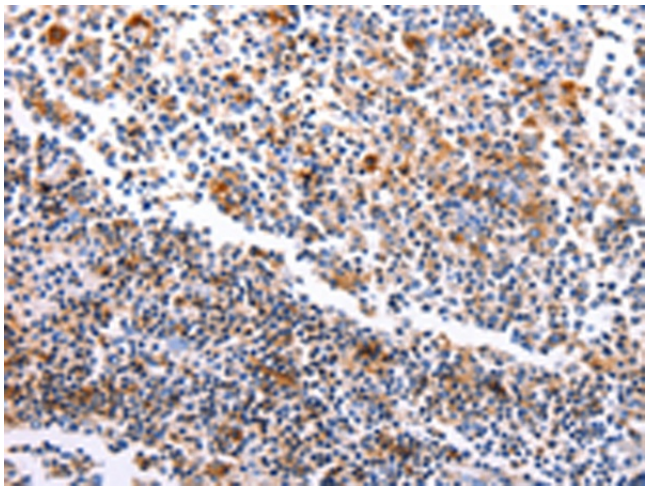
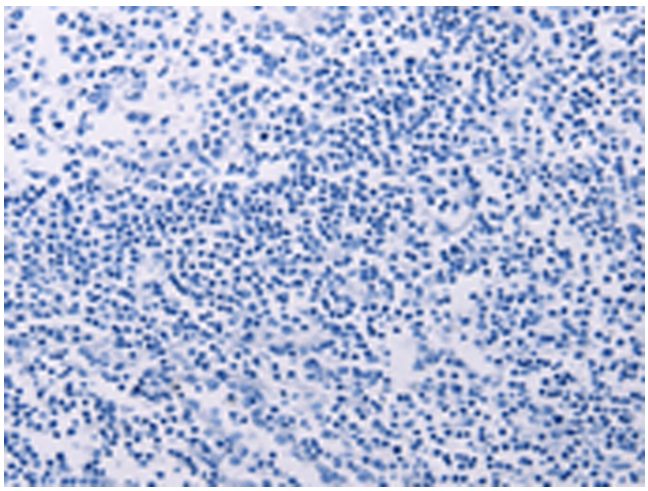
Synonyms: AHO3; BDMR; HA6116; HD4; HDAC-4; HDAC-A; HDACA

Protein Families: Druggable Genome, Transcription Factors

Product images:



Immunohistochemistry of paraffin-embedded Human tonsil tissue using TA322535 (HDAC4 Antibody) at dilution 1/15 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human tonsil tissue using TA322535 (HDAC4 Antibody) at dilution 1/15, treated with synthetic peptide. (Original magnification: ×200)