

## Product datasheet for **TA322534S**

### HDAC4 Rabbit Polyclonal Antibody

#### Product data:

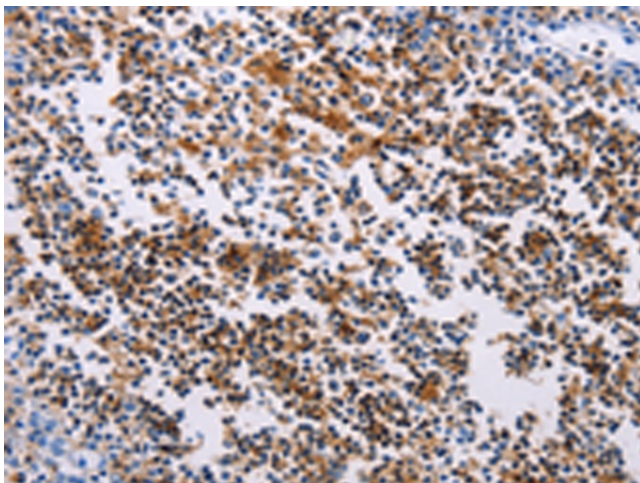
Product Type:	Primary Antibodies
Applications:	IHC
Recommended Dilution:	IHC: 25-100 Positive control: Human tonsil Predicted cell location: Cytoplasm
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide corresponding to a region derived from 536-548 amino acids of Human histone deacetylase 4
Formulation:	PBS pH7.3, 0.05% NaN <sub>3</sub> , 50% glycerol
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:	<a href="#">NP_006028</a> <a href="#">Entrez Gene 208727 Mouse</a> <a href="#">Entrez Gene 363287 Rat</a> <a href="#">Entrez Gene 9759 Human</a> <a href="#">P56524</a>
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.
Synonyms:	AHO3; BDMR; HA6116; HD4; HDAC-4; HDAC-A; HDACA



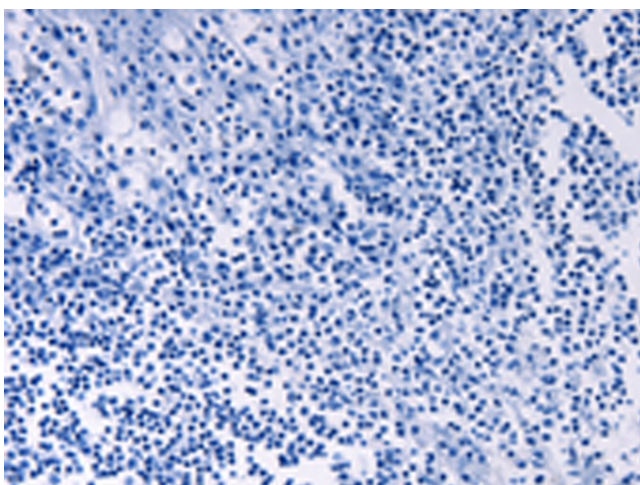
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Protein Families: Druggable Genome, Transcription Factors

### Product images:



Immunohistochemistry of paraffin-embedded Human tonsil tissue using [TA322534] (HDAC4 Antibody) at dilution 1/25 (Original magnification:  $\times 200$ )



Immunohistochemistry of paraffin-embedded Human tonsil tissue using [TA322534] (HDAC4 Antibody) at dilution 1/25, treated with synthetic peptide. (Original magnification:  $\times 200$ )