

## Product datasheet for **TA322347S**

### HDAC7 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC
Recommended Dilution:	IHC: 50-200 Positive control: Human ovarian cancer Predicted cell location: Cytoplasm or Nucleus
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide corresponding to a region derived from 938-951 amino acids of Human histone deacetylase 7
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.
Predicted Protein Size:	66 kDa
Gene Name:	histone deacetylase 7
Database Link:	<a href="#">NP_056216</a> <a href="#">Entrez Gene 56233 Mouse</a> <a href="#">Entrez Gene 51564 Human</a> <a href="#">Q8WUI4</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 has sequence homology to members of the histone deacetylase family. This gene is orthologous to mouse HDAC7 gene whose protein promotes repression mediated via the transcriptional corepressor SMRT. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.

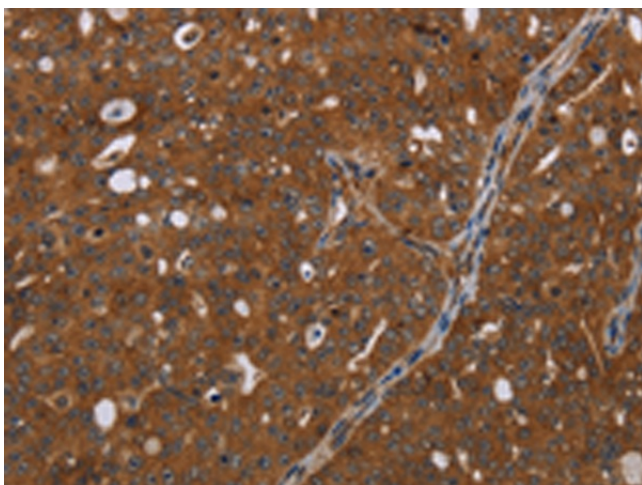


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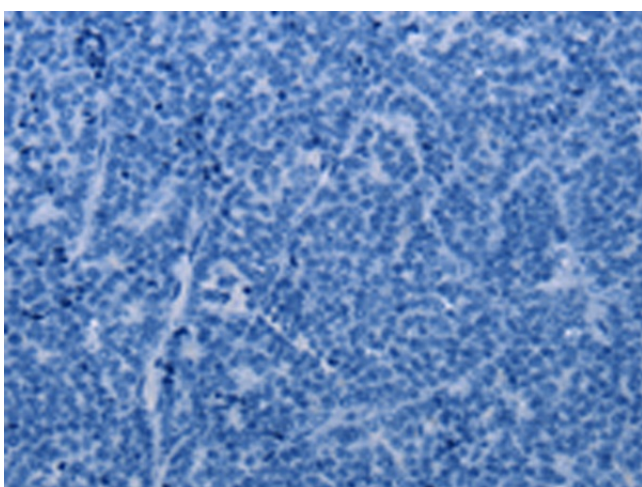
Synonyms: HD7A; HDAC7A

Protein Families: Druggable Genome, Transcription Factors

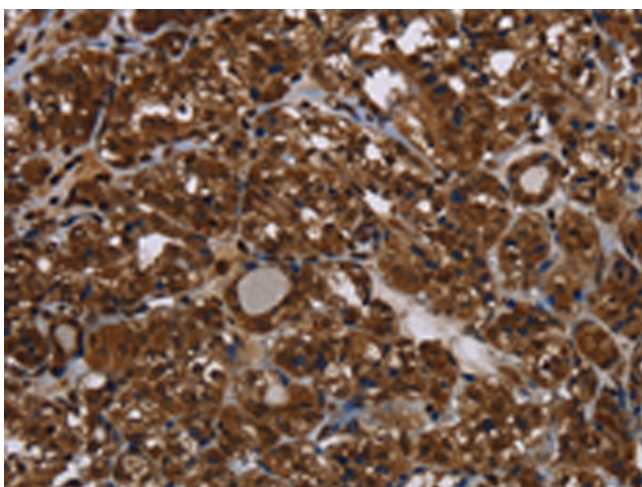
**Product images:**



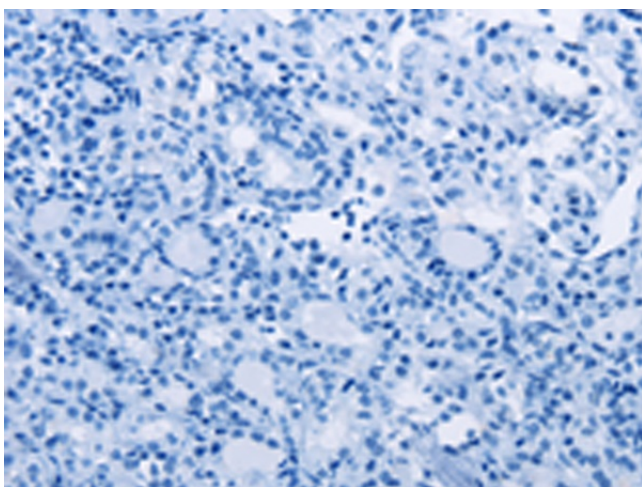
Immunohistochemistry of paraffin-embedded Human ovarian cancer tissue using [TA322347] (HDAC7 Antibody) at dilution 1/20 (Original magnification:  $\times 200$ )



Immunohistochemistry of paraffin-embedded Human ovarian cancer tissue using [TA322347] (HDAC7 Antibody) at dilution 1/20, treated with synthetic peptide. (Original magnification:  $\times 200$ )



Immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using [TA322347] (HDAC7 Antibody) at dilution 1/20 (Original magnification:  $\times 200$ )



Immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using [TA322347] (HDAC7 Antibody) at dilution 1/20, treated with synthetic peptide. (Original magnification:  $\times 200$ )