

## Product datasheet for **TA420048**

### Phospho-HDAC4 Rabbit Monoclonal Antibody

#### Product data:

<b>Product Type:</b>	Primary Antibodies
<b>Applications:</b>	ELISA, IHC, WB
<b>Recommended Dilution:</b>	WB, 1:500 - 1:1000 IHC-P, 1:100 - 1:500 ELISA, Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.
<b>Reactivity:</b>	Human, Mouse, Rat
<b>Host:</b>	Rabbit
<b>Isotype:</b>	IgG
<b>Clonality:</b>	Monoclonal
<b>Formulation:</b>	Buffer: PBS with 0.05% proclin300, 0.05% BSA, 50% glycerol, pH7.3.
<b>Concentration:</b>	lot specific
<b>Purification:</b>	Affinity purification
<b>Conjugation:</b>	Unconjugated
<b>Storage:</b>	Store at -20°C. Avoid freeze / thaw cycles.
<b>Stability:</b>	Stable for 12 months from date of receipt.
<b>Predicted Protein Size:</b>	57-65kDa/97-122kDa
<b>Database Link:</b>	<a href="#">P56524</a>



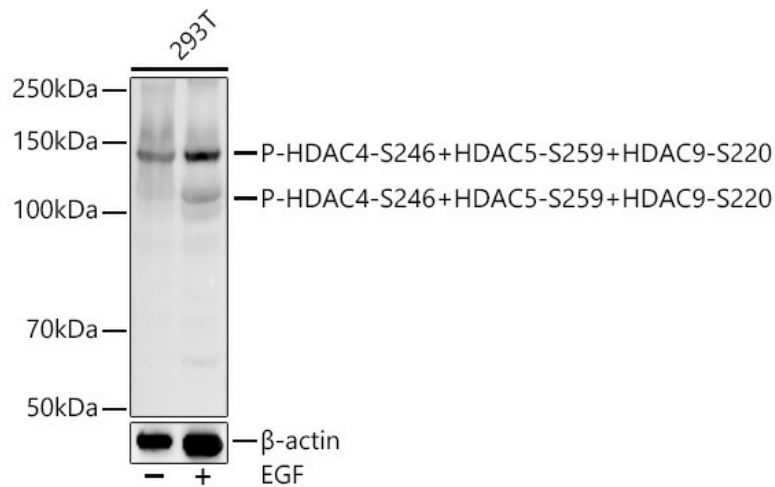
**Background:**

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/alpha 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. [provided by RefSeq, Jul 2008]

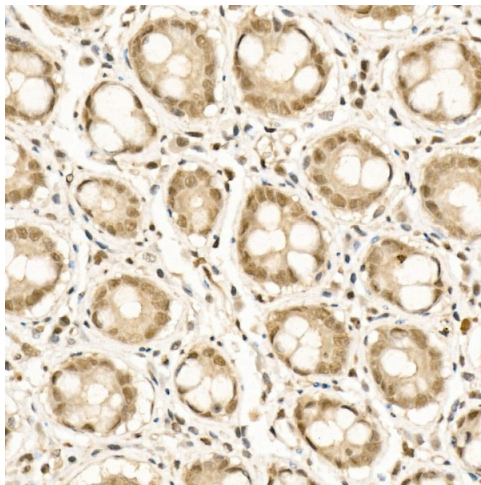
**Synonyms:**

HDAC4/HDAC5/HDAC9

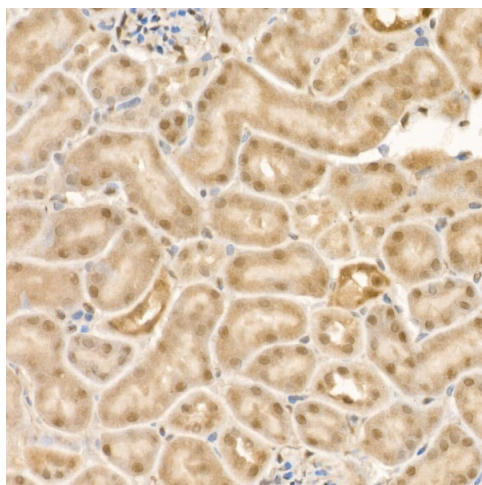
**Product images:**



Western blot analysis of lysates from 293T cells



Immunohistochemistry analysis of paraffin-embedded Human colon using Phospho-HDAC4-S246 + HDAC5-S259 + HDAC9-S220 Rabbit mAb (TA420048) at dilution of 1:400 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Mouse kidney using Phospho-HDAC4-S246 + HDAC5-S259 + HDAC9-S220 Rabbit mAb (TA420048) at dilution of 1:400 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.