

## Product datasheet for **TA332046**

### HDAC4 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB, ChIP
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for Anti-Hdac4 Antibody is: synthetic peptide directed towards the C-terminal region of Mouse Hdac4. Synthetic peptide located within the following region: SSTVGHSLIEAQKCEKEEAETVTAMASLSVGVKPAEKRSEEEPMEEEEPL
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	118 kDa
Gene Name:	histone deacetylase 4
Database Link:	<a href="#">NP_006028</a> <a href="#">Entrez Gene 208727 Mouse</a> <a href="#">Entrez Gene 9759 Human</a> <a href="#">P56524</a>
Background:	Hdac4 is responsible for the deacetylation of lysine residues on the N-terminal part of the core histones (H2A, H2B, H3 and H4). Histone deacetylation gives a tag for epigenetic repression and plays an important role in transcriptional regulation, cell cycle progression and developmental events. Histone deacetylases act via the formation of large multiprotein complexes. Involved in muscle maturation via its interaction with the myocyte enhancer factors such as MEF2A, MEF2C and MEF2D.
Synonyms:	AHO3; BDMR; HA6116; HD4; HDAC-4; HDAC-A; HDACA

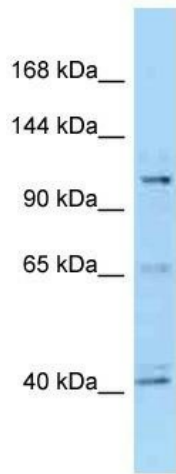


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**Note:** Immunogen sequence homology: Dog: 100%; Human: 100%; Bovine: 100%; Pig: 93%; Rat: 93%; Zebrafish: 93%; Guinea pig: 93%; Mouse: 86%; Yeast: 82%; Horse: 77%

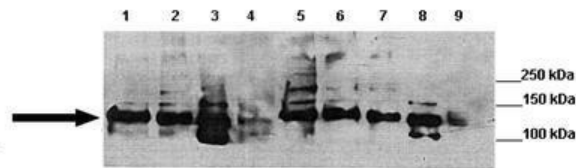
**Protein Families:** Druggable Genome, Transcription Factors

**Product images:**



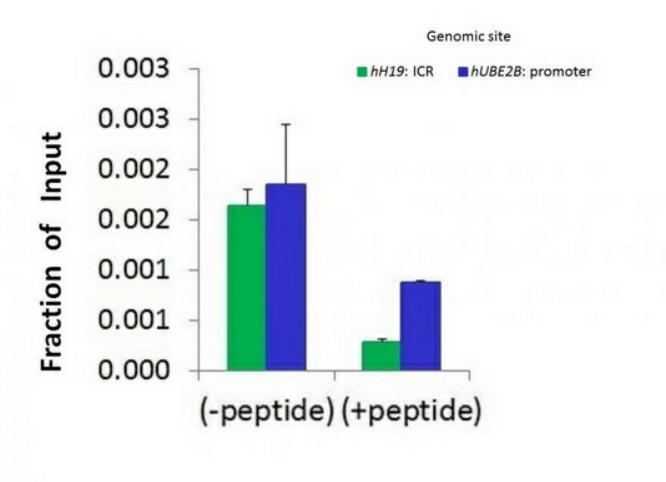
**HDAC4**

WB Suggested Anti-Hdac4 Antibody; Titration: 1.0 ug/ml; Positive Control: Mouse Liver



Lanes: Lane 1: 40ug mouse brain, synaptosome lysate; Lane 2: 40ug mouse brain, membrane fraction; Lane 3: 40ug mouse brain, cytoplasm fraction; Lane 4: 40ug mouse brain, nuclear fraction; Lane 5: 40ug mouse brain, post synaptic density fraction; Lane 6: 4

See Immunoblot 2 Data and Customer Feedback for more Information



Chromatin Immunoprecipitation (ChIP) Using Hdac4 Antibody - C-terminal region and HCT116 Cells