

## Product datasheet for **AM06461SU-N**

### HDAC4 Mouse Monoclonal Antibody [Clone ID: 7B2]

#### Product data:

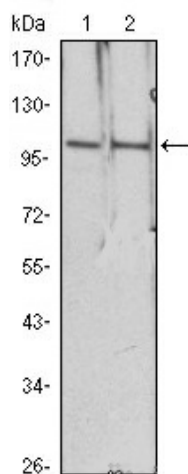
Product Type:	Primary Antibodies
Clone Name:	7B2
Applications:	ELISA, WB
Recommended Dilution:	<b>Western Blot:</b> 1/500 - 1/2000. <b>ELISA:</b> 1/10000.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Purified recombinant fragment of human HDAC4 expressed in E. Coli.
Specificity:	This antibody reacts to HDAC4.
Formulation:	State: Ascites State: Ascitic fluid containing 0.03% sodium azide.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	119 kDa
Gene Name:	histone deacetylase 4
Database Link:	<a href="#">Entrez Gene 9759 Human 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.



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Synonyms: Histone deacetylase 4, HD4, KIAA0288

**Product images:**



Western blot analysis using HDAC4 mouse mAb against HeLa (1), Jurkat (2) cell lysate.