# antibodies - online.com





Datasheet for ABIN387961

## anti-HDAC9 antibody (C-Term)

**Images** 



Publication



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400 μL		
HDAC9		
AA 503-533, C-Term		
Human		
Rabbit		
Polyclonal		
This HDAC9 antibody is un-conjugated		
Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))		
This HDAC9 antibody is generated from rabbits immunized with a KLH conjugated synthetic		
peptide between 503-533 amino acids from the C-terminal region of human HDAC9.		
RB2742		
lg Fraction		
This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by		
dialysis against PBS.		
HDAC9		
HDAC9 (HDAC9 Products)		

### Target Details

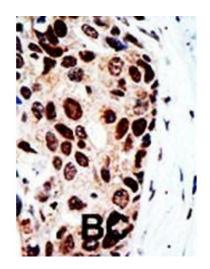
Background:	Histones play a critical role in transcriptional regulation, cell cycle progression, and		
	developmental events. Histone acetylation/deacetylation alters chromosome structure and		
	affects transcription factor access to DNA. The protein encoded by this gene has sequence		
	homology to members of the histone deacetylase family. This gene is orthologous to the		
	Xenopus and mouse MITR genes. The MITR protein lacks the histone deacetylase catalytic		
	domain. It represses MEF2 activity through recruitment of multicomponent corepressor		
	complexes that include CtBP and HDACs. This encoded protein may play a role in		
	hematopoiesis. Multiple alternatively spliced transcripts have been described for this gene but		
	the full-length nature of some of them has not been determined.		
Molecular Weight:	111297		
Gene ID:	9734		
NCBI Accession:	NP_001191073, NP_001191074, NP_001191075, NP_001191076, NP_001191077, NP_055522,		
	NP_478056, NP_848510, NP_848512		
UniProt:	Q9UKV0		
Pathways:	Regulation of Muscle Cell Differentiation, Skeletal Muscle Fiber Development		
Application Details			
Application Notes:	WB: 1:1000. IHC-P: 1:50~100		
Restrictions:	For Research Use only		
Handling			
Format:	Liquid		
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.		
Preservative:	Sodium azide		
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which		
	should be handled by trained staff only.		
Storage:	4 °C,-20 °C		
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in smal		
-	aliquots to prevent freeze-thaw cycles.		
Evening Deter			
Expiry Date:	6 months		

Product cited in:

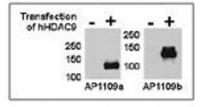
Wu, Li, Fang, Yi, Chen, Long, Gao, Wei, Chen: "Investigation of synergistic mechanism and identification of interaction site of aldose reductase with the combination of gigantol and syringic acid for prevention of diabetic cataract." in: **BMC complementary and alternative medicine**, Vol. 16, Issue 1, pp. 286, (2017) (PubMed).

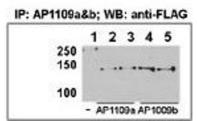
Guo, Wang, Liu, Myatt, Sun: "Induction of PGF2? synthesis by cortisol through GR dependent induction of CBR1 in human amnion fibroblasts." in: **Endocrinology**, Vol. 155, Issue 8, pp. 3017-24, (2014) (PubMed).

#### **Images**



#### WB: anti-HDAC9 Pab





#### **Immunohistochemistry (Paraffin-embedded Sections)**

**Image 1.** Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry, clinical relevance has not been evaluated. BC = breast carcinoma, HC = hepatocarcinoma.

#### **Western Blotting**

Image 2. Both anti-HDAC9 N-term ((ABIN387960 and ABIN2844679)) and C-term ((ABIN387961 and ABIN2844680)) Pab were tested by WB and IP-WB using HeLa and HeLa-HDAC9 transfected cells. Top figure shows both Pab specifically detect HDAC9 in HeLa-HDAC9 transfected cell but not HeLa alone. Bottom figure shows that both Pab can immunoprecipitate (IP) HDAC9 from HeLa-HDAC9 transfected cells. (Data kindly provided by Dr. Zhigang Yuan, H. Lee Moffitt Cancer Center and Research Institute, Tampa, FL).