

## Product Datasheet

### HDAC9 Antibody (N-term) (orb1938455)

<b>Catalog Number</b>	orb1938455
<b>Category</b>	Antibodies
<b>Description</b>	HDAC9 Antibody (N-term)
<b>Clonality</b>	Polyclonal
<b>Species/Host</b>	Rabbit
<b>Isotype</b>	Rabbit IgG
<b>Conjugation</b>	Unconjugated
<b>Reactivity</b>	Human, Mouse
<b>Predicted Reactivity</b>	Gallus
<b>Form/Appearance</b>	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
<b>UniProt ID</b>	<b>Q9UKV0</b>
<b>MW</b>	111297 Da
<b>Tested applications</b>	IF, IHC-P, IP, WB
<b>Dilution range</b>	WB - 1:1000, IP - 1:100, IF - 1:1,000, IHC-P - 1:100-500
<b>Specificity</b>	This HDAC9 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 2-32 amino acids from the N-terminal region of human HDAC9.
<b>Antibody Type</b>	Primary Antibody

**Biorbyt Ltd.**

7 Signet Court, Swann Road  
Cambridge  
CB5 8LA  
United Kingdom

Email: [info@biorbyt.com](mailto:info@biorbyt.com), [support@biorbyt.com](mailto:support@biorbyt.com)  
Phone: [+44 \(0\)1223 859353](tel:+44(0)1223859353) | Fax: [+1 \(415\) 651-8558](tel:+1(415)651-8558)

**Biorbyt LLC**

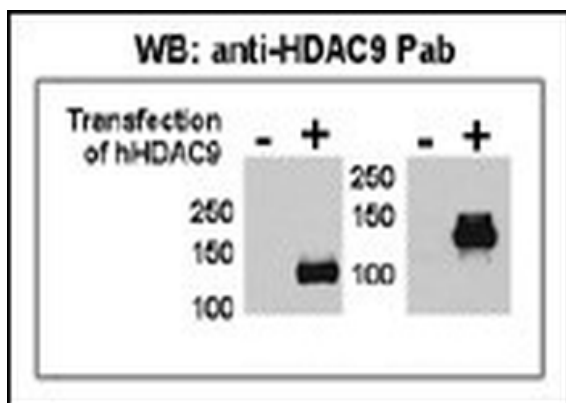
68 TW Alexander Drive  
Research Triangle Park  
Durham  
NC 27713  
United States

Email: [info@biorbyt.com](mailto:info@biorbyt.com), [support@biorbyt.com](mailto:support@biorbyt.com)  
Phone: [+1 \(415\) 906-5211](tel:+1(415)906-5211) | Fax: [+1 \(415\) 651-8558](tel:+1(415)651-8558)

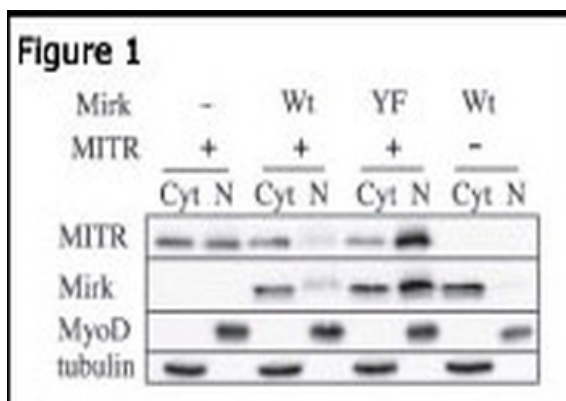
**Storage** Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles

**Note** For research use only

**Expiration Date** 12 months from date of receipt.



Both anti-HDAC9 N-term and C-term 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.



Immunoblots for MITR (HDAC9 N-term antibody), Mirk, MyoD and tubulin proteins are shown for cytoplasmic (Cyt) and nuclear (N) extracts from undifferentiated C2C12 myoblasts. Before cell collection for fractionation, the cells are transfected with plasmids coding for Mirk (Wt), kinase-inactive Mirk (YF) or MITR.

**Biorbyt Ltd.**

7 Signet Court, Swann Road  
Cambridge  
CB5 8LA  
United Kingdom

Email: [info@biorbyt.com](mailto:info@biorbyt.com), [support@biorbyt.com](mailto:support@biorbyt.com)  
Phone: +44 (0)1223 859353 | Fax: +1 (415) 651-8558

**Biorbyt LLC**

68 TW Alexander Drive  
Research Triangle Park  
Durham  
NC 27713  
United States

Email: [info@biorbyt.com](mailto:info@biorbyt.com), [support@biorbyt.com](mailto:support@biorbyt.com)  
Phone: +1 (415) 906-5211 | Fax: +1 (415) 651-8558

**Figure 2**

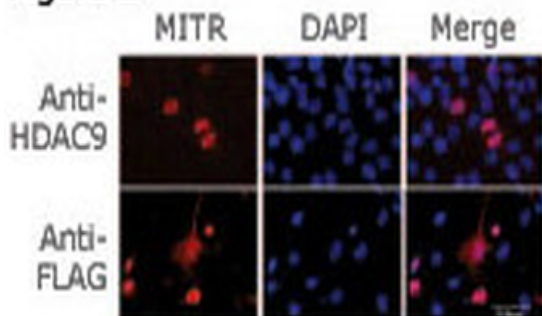
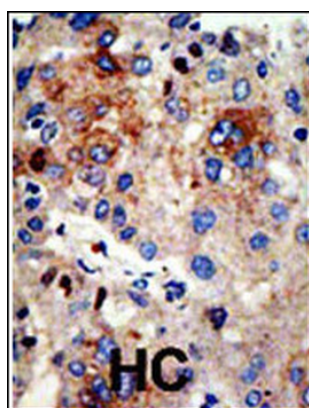
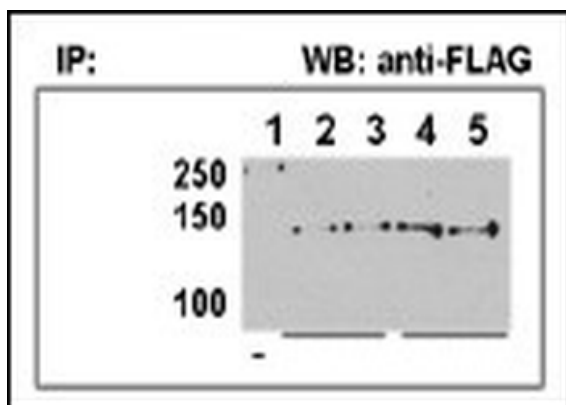


Figure 2: Immunofluorescence staining of MITR for a compartmentalization study in undifferentiated C2C12 myoblasts transfected with a MITR-expressing plasmid. MITR is detected by using the HDAC9 N-term antibody (top panel) or a FLAG antibody (bottom panel) detecting a FLAG epitope fused at the N-term end of the MITR construct.



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



This figure shows that both Pab can immunoprecipitate (IP) HDAC9 from HeLa-HDAC9 transfected cells.

**Biorbyt Ltd.**

7 Signet Court, Swann Road  
Cambridge  
CB5 8LA  
United Kingdom

Email: [info@biorbyt.com](mailto:info@biorbyt.com), [support@biorbyt.com](mailto:support@biorbyt.com)  
Phone: +44 (0)1223 859353 | Fax: +1 (415) 651-8558

**Biorbyt LLC**

68 TW Alexander Drive  
Research Triangle Park  
Durham  
NC 27713  
United States

Email: [info@biorbyt.com](mailto:info@biorbyt.com), [support@biorbyt.com](mailto:support@biorbyt.com)  
Phone: +1 (415) 906-5211 | Fax: +1 (415) 651-8558