

## Product Datasheet

### HDAC2 Antibody (Center) (orb1788233)

<b>Catalog Number</b>	orb1788233
<b>Category</b>	Antibodies
<b>Description</b>	Affinity Purified Rabbit Polyclonal Antibody (Pab)
<b>Target</b>	HDAC2 {ECO:0000303 PubMed:10545197, ECO:0000312 HGNC:HGNC:4853}
<b>Clonality</b>	Polyclonal
<b>Species/Host</b>	Rabbit
<b>Isotype</b>	Rabbit IgG
<b>Conjugation</b>	Unconjugated
<b>Reactivity</b>	Human
<b>Predicted Reactivity</b>	Mouse
<b>Form/Appearance</b>	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
<b>Immunogen</b>	This HDAC2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 410-439 amino acids from the Central region of human HDAC2. Antigen Region: 410-439 aa.
<b>UniProt ID</b>	<b>Q92769</b>
<b>MW</b>	55364 Da
<b>Tested applications</b>	FC, IF, IHC-P, WB
<b>Dilution range</b>	IF: 1:10~50, WB: 1:1000, IHC-P: 1:50~100, FC: 1:10~50

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

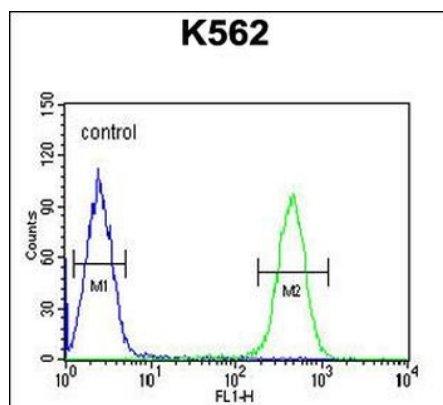
Email: [info@biorbyt.com](mailto:info@biorbyt.com), [support@biorbyt.com](mailto:support@biorbyt.com)  
Phone: [+44 \(0\)1223 859353](tel:+44(0)1223859353) | Fax: [+1 \(415\) 651-8558](tel:+1(415)651-8558)

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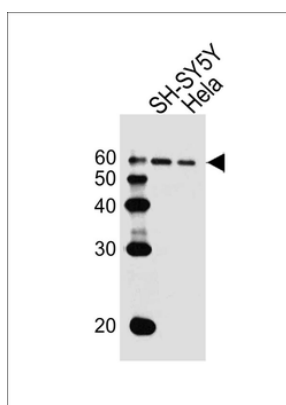
68 TW Alexander Drive  
Research Triangle Park  
Durham  
NC 27713-2847  
United States

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)

<b>Antibody Type</b>	Primary Antibody
<b>Storage</b>	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
<b>Note</b>	For research use only
<b>NCBI</b>	<b>NP_001518.3</b>
<b>Expiration Date</b>	12 months from date of receipt.



HDAC2 Antibody (Center) flow cytometric analysis of K562 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



Western blot analysis of lysates from SH-SY5Y, HeLa cell line (from left to right), using HDAC2 Antibody (Center). Diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L (HRP) at 1:10000 dilution was used as the secondary antibody.

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United Kingdom

Email: [info@biorbyt.com](mailto:info@biorbyt.com), [support@biorbyt.com](mailto:support@biorbyt.com)

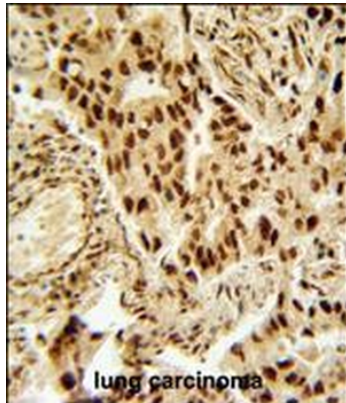
Phone: +44 (0)1223 859353 | Fax: +1 (415) 651-8558

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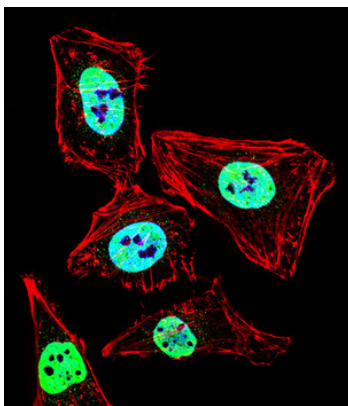
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United States

Email: [info@biorbyt.com](mailto:info@biorbyt.com), [support@biorbyt.com](mailto:support@biorbyt.com)

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HDAC2 Antibody (Center) immunohistochemistry analysis in formalin fixed and paraffin embedded human lung carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the HDAC2 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



Fluorescent confocal image of HeLa cell stained with HDAC2 Antibody (Center). HeLa cells were fixed with 4% PFA (20 min), permeabilized with Triton X-100 (0.1%, 10 min), then incubated with HDAC2 primary antibody (1:25, 1 h at 37°C). For secondary antibody, Alexa Fluor 488 conjugated donkey anti-rabbit antibody (green) was used (1:400, 50 min at 37°C). Cytoplasmic actin was counterstained with Alexa Fluor 555 (red) conjugated Phalloidin (7 units/ml, 1 h at 37°C). Nuclei were counterstained with DAPI (blue) (10 µg/ml, 10 min). HDAC2 immunoreactivity is localized to Nucleus significantly.

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