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Datasheet for ABIN565634

anti-HDAC7 antibody (AA 1-276)

5 Images

2 Publications

Overview

Quantity:	100 µg
Target:	HDAC7
Binding Specificity:	AA 1-276
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This HDAC7 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, RNA Interference (RNAi)

Product Details

Purpose:	Mouse monoclonal antibody raised against a full length recombinant HDAC7A.
Immunogen:	HDAC7A (AAH06453.1, 1 a.a. ~ 276 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence:	MGFCFFNSVA IACRQLQQQS KASKILIVDW DVHHGNGTQQ TFYQDPSVLY ISLHRHDDGN FFPGSGAVDE VGAGSGEGFN VNVAWAGGLD PPMGDPEYLA AFRIVVMPIA REFSPDLVLV SAGFDAAEGH PAPLGGYHVS AKCFGYMTQQ LMNLAGGAVV LALEGGHDLT AICDASEACV AALLGNRVDP LSEEGWKQKP NLNAIRSLEA VIRVHSKYWG CMQRLASCPD SWVPRVPGAD KEEVEAVTAL ASLSVGILAE DRPSEQLVEE EEPMNL
Clone:	2B11-1C1
Isotype:	IgG2b
Cross-Reactivity:	Human

Product Details

Characteristics: Antibody Reactive Against Recombinant Protein.

Target Details

Target: HDAC7

Alternative Name: HDAC7 ([HDAC7 Products](#))

Background: Full Gene Name: histone deacetylase 7
Synonyms: DKFZp586J0917,FLJ99588,HD7A,HDAC7A

Gene ID: 51564

Pathways: [Regulation of Muscle Cell Differentiation](#), [Cell-Cell Junction Organization](#), [Skeletal Muscle Fiber Development](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Buffer: In 1x PBS, pH 7.4

Handling Advice: Aliquot to avoid repeated freezing and thawing.

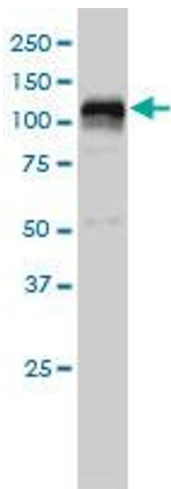
Storage: -20 °C

Storage Comment: Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Publications

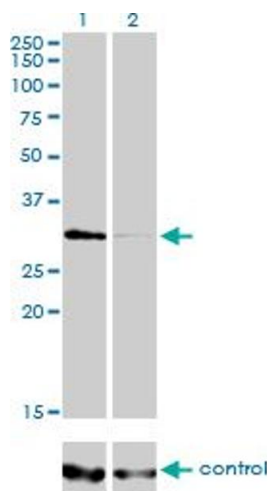
Product cited in: Fan, Li, Wang, Emerson, Xu: "A Novel ZIP4-HDAC4-VEGFA Axis in High-Grade Serous Ovarian Cancer." in: **Cancers**, Vol. 13, Issue 15, (2021) ([PubMed](#)).

Malik, Jiang, Garee, Verdin, Lee, OMalley, Zhang, Belaguli, Oesterreich: "Histone deacetylase 7 and FoxA1 in estrogen-mediated repression of RPRM." in: **Molecular and cellular biology**, Vol. 30, Issue 2, pp. 399-412, (2009) ([PubMed](#)).



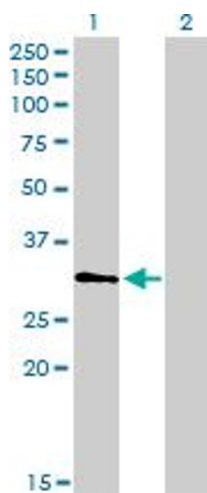
Western Blotting

Image 1. HDAC7A monoclonal antibody (M01), clone 2B11-1C1 Western Blot analysis of HDAC7A expression in K-562 .



Western Blotting

Image 2. Western blot analysis of HDAC7A over-expressed 293 cell line, cotransfected with HDAC7A Validated Chimera RNAi (Lane 2) or non-transfected control (Lane 1). Blot probed with HDAC7A monoclonal antibody (M01), clone 2B11-1C1. GAPDH (36.1 kDa) used as specificity and loading control.



Western Blotting

Image 3. Western Blot analysis of HDAC7A expression in transfected 293T cell line by HDAC7A monoclonal antibody (M01), clone 2B11-1C1.

Lane 1: HDAC7A transfected lysate(29.6 KDa).

Lane 2: Non-transfected lysate.

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN565634.