Datasheet for ABIN2668955

anti-EZH2 antibody (AA 353-451)

1 Image | 8 Publications

Go to Product page

Overview

Quantity:	100 µg
Target:	EZH2
Binding Specificity:	AA 353-451
Reactivity:	Human, Mouse
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This EZH2 antibody is un-conjugated
Application:	Chromatin Immunoprecipitation (ChIP)

Product Details

Immunogen:	This EZH2 antibody was raised against a recombinant protein corresponding to amino acids 353-451 of human EZH2.
Clone:	AC22
Isotype:	IgG2a
Purification:	Protein G Chromatography

Target Details

Target:	EZH2
Alternative Name:	EZH2 (EZH2 Products)
Molecular Weight:	96 kDa

Target Details

Gene ID:	2146
Pathways:	Retinoic Acid Receptor Signaling Pathway, Regulation of Muscle Cell Differentiation

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Concentration:	1 µg/µL
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze/thaw cycles and keep on ice when not in storage.
Storage:	-20 °C
Storage Comment:	Antibodies in solution can be stored at -20 °C for 2 years.
Expiry Date:	6 months

Publications

Product cited in:

Toth, Papp, Brulois, Choi, Gao, Jung: "LANA-Mediated Recruitment of Host Polycomb Repressive Complexes onto the KSHV Genome during De Novo Infection." in: **PLoS pathogens**, Vol. 12, Issue 9, pp. e1005878, (2016) (PubMed).

Ranzani, Rossetti, Panzeri, Arrigoni, Bonnal, Curti, Gruarin, Provasi, Sugliano, Marconi, De Francesco, Geginat, Bodega, Abrignani, Pagani: "The long intergenic noncoding RNA landscape of human lymphocytes highlights the regulation of T cell differentiation by linc-MAF-4." in: **Nature immunology**, Vol. 16, Issue 3, pp. 318-325, (2015) (PubMed).

Bengani, Mendiratta, Maini, Vasanthi, Sultana, Ghasemi, Ahluwalia, Ramachandran, Mishra, Brahmachari: "Identification and Validation of a Putative Polycomb Responsive Element in the Human Genome." in: **PLoS ONE**, Vol. 8, Issue 6, pp. e67217, (2013) (PubMed).

Wang, Pan, Lee, Martinez, Feng, Dong: "Cutting edge: Smad2 and Smad4 regulate TGF-β-

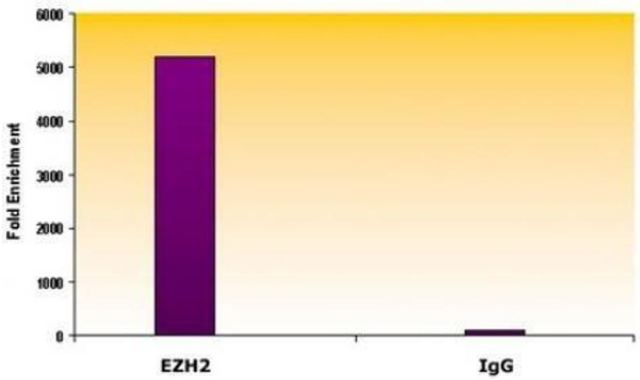
Publications

mediated Il9 gene expression via EZH2 displacement." in: **Journal of immunology (Baltimore, Md. : 1950)**, Vol. 191, Issue 10, pp. 4908-12, (2013) (PubMed).

Rossetto, Tarrant-Elorza, Pari: "Cis and trans acting factors involved in human cytomegalovirus experimental and natural latent infection of CD14 (+) monocytes and CD34 (+) cells." in: **PLoS pathogens**, Vol. 9, Issue 5, pp. e1003366, (2013) (PubMed).

There are more publications referencing this product on: Product page

Images



Chromatin Immunoprecipitation

Image 1. EZH2 antibody (mAb) tested by ChIP. Chromatin IP performed using the ChIP-IT® Express Kit (Catalog No. 53008) and HeLa Chromatin (1.5 x 106 cell equivalents per ChIP) using 3 µg of EZH2 antibody or the equivalent amount of IgG as a negative control. Real time, quantitative PCR (RT-qPCR) was performed on DNA purified from the ChIP reaction using a primer pair specific for the Myt1 gene. Data are presented as Fold Enrichment of the ChIP antibody signal versus the negative control IgG using the ddCT method.