Datasheet for ABIN6939360

anti-EZH2 antibody

3 Images

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Overview

Quantity:	100 µg
Target:	EZH2
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This EZH2 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	Recombinant full-length human EZH2 protein
Clone:	EZH2-2536
Isotype:	IgG2a kappa
Purification:	Purified by Protein A/G

Target Details

Target:	EZH2
Alternative Name:	EZH2 (EZH2 Products)
Background:	This gene encodes a member of the Polycomb-group (PcG) family. PcG family members form multimeric protein complexes, which are involved in maintaining the transcriptional repressive state of genes over successive cell generations. This protein associates with the embryonic ectoderm development protein, the VAV1 oncoprotein, and the X-linked nuclear protein. This

Target Details

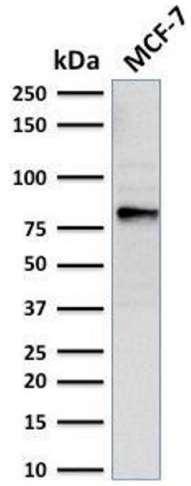
	protein may play a role in the hematopoietic and central nervous systems. Multiple alternatively splcied transcript variants encoding distinct isoforms have been identified for this gene.
Molecular Weight:	81-102kDa
Gene ID:	2146
UniProt:	Q15910
Pathways:	Retinoic Acid Receptor Signaling Pathway, Regulation of Muscle Cell Differentiation

Application Details

Application Notes:	Positive Control: MCF7, HeLa, U-2 OS or HEK-293 whole cell lysates. Human tonsil, testis or prostate tissue. Known Application: Western Blot (0.5-1.0 µg/mL)Optimal dilution for a specific application should be determined.
Restrictions:	For Research Use only

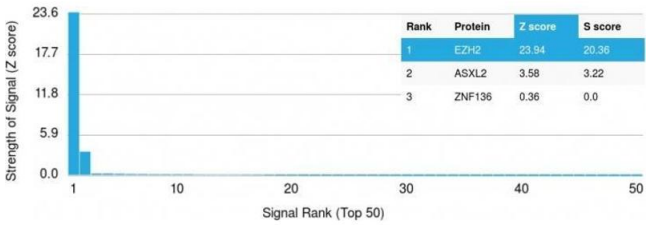
Handling

Concentration:	200 µg/mL
Buffer:	10 mM PBS with 0.05 % BSA & 0.05 % 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,-80 °C
Storage Comment:	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.
Expiry Date:	24 months



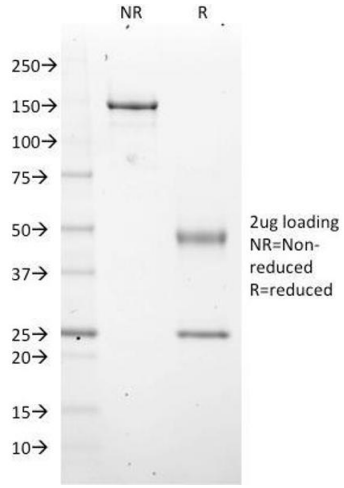
Western Blotting

Image 1. Western Blot Analysis of MCF-7 cell lysate using EZH2 / KMT6 Mouse Monoclonal Antibody (EZH2/2536).



Protein Array

Image 2. Analysis of Protein Array containing more than 19,000 full-length human proteins using EZH2 Mouse Monoclonal Antibody (EZH2/2536). Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (Monoclonal Antibody) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProtTM array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProtTM are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a Monoclonal Antibody to its intended target. A Monoclonal Antibody is considered to specific to its intended target, if the Monoclonal Antibody has an S-score of at least 2.5. For example, if a Monoclonal Antibody binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that Monoclonal Antibody to protein X is equal to 29.



SDS-PAGE

Image 3. SDS-PAGE Analysis Purified EZH2 / KMT6 Mouse Monoclonal Antibody (EZH2/2536). Confirmation of Purity and Integrity of Antibody.