

Datasheet for 600-401-BC6**EZH2 Antibody****Overview**

Description:	Anti-EZH2 (RABBIT) Antibody - 600-401-BC6
Item No.:	600-401-BC6
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human, Mouse
Host Species:	Rabbit

Product Details

Background:	EZH2 was initially identified as a homolog of the drosophila Enhancer of Zeste through exon trap screening of chromosome 21. Both EZH2 and the related protein EZH1 can form complexes with the noncanonical Polycomb repressive complex-2 (PRC2) and maintain repressive chromatin, but the PRC2-EZH1 complex mediates methylation of histone H3. Both EZH1 and EZH2 are thought to function in the maintenance of embryonic stem cell pluripotency and plasticity and recently have been shown to be essential for hair follicle homeostasis and wound repair. Overexpression of EZH2 has been reported as a marker for advanced and metastatic cancers.
Synonyms:	EZH2 Antibody, WVS, ENX1, EZH1, KMT6, WVS2, ENX-1, EZH2b, KMT6A, Histone-lysine N-methyltransferase EZH2
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	EZH2
Reactivity:	Human, Mouse
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-EZH2 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 17 amino acid synthetic peptide near the N-terminus of human EZH2.

Purity/Specificity:	Anti-EZH2 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Multiple isoforms of EZH2 are known to exist. EZH2 antibody is predicted to not cross-react with EZH1.
Relevant Links:	• UniProtKB - Q15910 • GeneID - 2146 • NCBI - AAH10858

Application Details

Tested Applications:	ELISA, IF, IHC, WB
Application Note:	Anti-EZH2 Antibody has been tested for use in ELISA, Western Blotting, Immunocytochemistry and Immunofluorescence. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 85 kDa in Western Blots of specific cell lysates and tissues.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:10,000
IF:	20 µg/mL
WB:	1 µg/mL

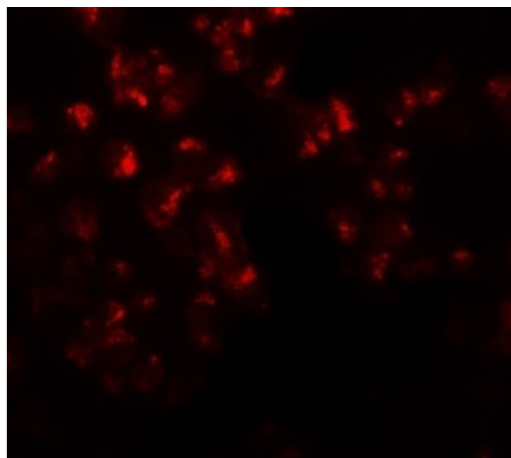
Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiration:	Expiration date is one (1) year from date of receipt.

Images



Immunofluorescence Microscopy

Immunofluorescence of EZH2.

Cell: 293 cells.

Primary Antibody: EZH2 antibody at 20 µg/mL.

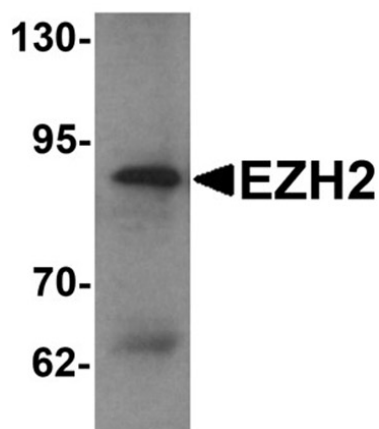


Immunocytochemistry

Immunocytochemistry of EZH2.

Cell: 293 cells.

Primary Antibody: EZH2 antibody at 10 µg/mL.



Western Blot

Western blot analysis of EZH2.

Load: 293 cell lysate.

Primary Antibody: EZH2 antibody at 1 µg/mL.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.