

Datasheet: MCA4898Z

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| Description: | MOUSE ANTI HUMAN EZH2:Preservative Free |
| Specificity: | EZH2 |
| Format: | Preservative Free |
| Product Type: | Monoclonal Antibody |
| Clone: | 2C3 |
| Isotype: | IgG2b |
| Quantity: | 0.1 mg |

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

| | Yes | No | Not Determined | Suggested Dilution |
|------------------|-----|----|----------------|--------------------|
| Western Blotting | ▪ | | | 0.1 - 10 ug/ml |

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

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| Target Species | Human |
| Product Form | Purified IgG - liquid |
| Preparation | Purified IgG prepared by affinity chromatography on Protein A |
| Buffer Solution | Phosphate buffered saline |
| Preservative Stabilisers | None present |
| Approx. Protein Concentrations | Ig concentration 0.5 mg/ml |
| Immunogen | Recombinant protein corresponding to aa 1 - 111 of human EZH2. |
| External Database Links | <p>UniProt: Q15910 Related reagents</p> <p>Entrez Gene: 2146 EZH2 Related reagents</p> |
| Synonyms | KMT6 |

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| Fusion Partners | Spleen cells from BALB/c mice were fused with cells from the Sp2/0 myeloma cell line. |
| Specificity | <p>Mouse anti Human EZH2 antibody, clone 2C3 recognizes human Histone-lysine N-methyltransferase EZH2, also known as ENX-1, Enhancer of zeste homolog 2 or Enhancer of zeste homolog 2. EZH2 is a 746 amino acid ~95 kDa nuclear protein and member of the polycomb group of proteins involved in methylation of histones and other proteins.</p> <p>Mutation of the EZH2 gene can lead to the development of Weaver syndrome (WVS) with accelerated growth, osseous maturation and altered craniofacial features (Tatton-Brown et al. 2011).</p> |
| Further Reading | <ol style="list-style-type: none"> HanLi, C. & Chen, Y. (2015) Targeting EZH2 for cancer therapy: progress and perspective. Curr Protein Pept Sci. 16 (6): 559-70. Völkel, P. <i>et al.</i> (2015) Diverse involvement of EZH2 in cancer epigenetics. Am J Transl Res. 7 (2): 175-93. |
| Storage | <p>Store at -20°C only.</p> <p>Storage in frost-free freezers is not recommended.</p> <p>This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.</p> |
| Shelf Life | 18 months from date of despatch. |
| Health And Safety Information | <p>Material Safety Datasheet documentation available at:</p> <p>Material Safety Datasheet Documentation #10162 available at: https://www.bio-rad-antibodies.com/uploads/MSDS/10162.pdf</p> |
| Regulatory | For research purposes only |

Related Products

Recommended Secondary Antibodies

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|---|---|
| Goat Anti Mouse IgG (STAR77...) | HRP |
| Rabbit Anti Mouse IgG (STAR8...) | DyLight®800 |
| Goat Anti Mouse IgG (STAR76...) | RPE |
| Rabbit Anti Mouse IgG (STAR12...) | RPE |
| Goat Anti Mouse IgG IgA IgM (STAR87...) | Alk. Phos. , HRP |
| Human Anti Mouse IgG2b (HCA038...) | FITC , HRP |
| Goat Anti Mouse IgG (STAR70...) | FITC |
| Rabbit Anti Mouse IgG (STAR9...) | FITC |
| Goat Anti Mouse IgG (Fc) (STAR120...) | FITC , HRP |
| Rabbit Anti Mouse IgG (STAR13...) | HRP |
| Goat Anti Mouse IgG (H/L) (STAR117...) | Alk. Phos. , DyLight®488 , DyLight®549 , DyLight®649 , DyLight®680 , DyLight®800 , FITC , HRP |

Recommended Negative Controls

[MOUSE IgG2b NEGATIVE CONTROL:Preservative Free \(MCA691XZ\)](#)

'M309922:170913'

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