Datasheet for ABIN6719659

anti-EZH2 antibody (AA 22-345)

Go to Product page

Overview

Quantity:	100 µg
Target:	EZH2
Binding Specificity:	AA 22-345
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This EZH2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS), Immunoprecipitation (IP)

Product Details

Purpose:	Anti-KMT6/EZH2 Antibody Picoband®
Immunogen:	E.coli-derived human KMT6/EZH2 recombinant protein (Position: E22-T345).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-KMT6/EZH2 Antibody Picoband® (ABIN6719659). Tested in ELISA, Flow Cytometry, IP, WB applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

Target Details

Target:	EZH2
Alternative Name:	EZH2 (EZH2 Products)
Background:	Synonyms: Histone-lysine N-methyltransferase EZH2, ENX-1, Enhancer of zeste homolog 2, Lysine N-methyltransferase 6, EZH2, KMT6 Tissue Specificity: Expressed in many tissues. Overexpressed in numerous tumor types including carcinomas of the breast, colon, larynx, lymphoma and testis. Background: Enhancer of zeste homolog 2 (EZH2) is a histone-lysine N-methyltransferase enzyme encoded by EZH2 gene. It is mapped to 7q36.1. 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 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:	98 kDa
Gene ID:	2146
UniProt:	Q15910
Pathways:	Retinoic Acid Receptor Signaling Pathway, Regulation of Muscle Cell Differentiation

Application Details

Application Notes:	Western blot, 0.1-0.5 µg/mL Immunoprecipitation, 0.5-2 µg/mL Flow Cytometry(Fixed), 1-3 µg/1x10^6 cells ELISA, 0.1-0.5 µg/mL 1. Kim, Kimberly, Roberts, Charles (18 December 2015). "Targeting EZH2 in cancer". Nature Medicine. 22: 128-134. 2. Viré E, Brenner C, Deplus R, Blanchon L, Fraga M, Didelot C, et al. (2006). "The Polycomb group protein EZH2 ly controls DNA methylation". Nature. 439 (7078): 871-4.
Comment:	Tested Species: In-house tested species with positive results. Other applications have not been tested. Optimal dilutions should be determined by end users.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl and 0.2 mg Na2HPO4.
Storage:	4 °C,-20 °C
Storage Comment:	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.