Ezh2 (Phospho-Thr367) Antibody

Catalog No: #12868

Package Size: #12868-1 50ul #12868-2 100ul

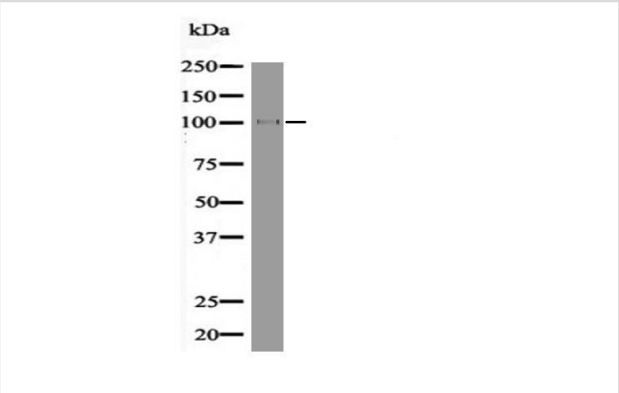
Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	Ezh2 (Phospho-Thr367) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Applications	WB
Species Reactivity	Hu Ms Rt
Specificity	Phospho-Ezh2 (T367) Antibody detects endogenous levels of Ezh2 only when phosphorylated at T367
Immunogen Type	Peptide-KLH
Immunogen Description	A synthesized peptide derived from human Ezh2 (Phospho-Thr367)
Other Names	Enhancer of zeste 2 antibody enhancer of zeste 2 polycomb repressive complex 2 subunit antibody Enhancer of zeste homolog 2 (Drosophila) antibody Enhancer of zeste homolog 2 antibody Enhancer of zeste Drosophila homolog 2 antibody ENX 1 antibody Enx 1h antibody ENX-1 antibody ENX1 antibody Enx1h antibody EZH 2 antibody EZH1 antibody EZH2 antibody EZH2_HUMAN antibody EZH2b antibody Histone-lysine N-methyltransferase EZH2 antibody KMT 6 antibody KMT6 antibody KMT6A antibody Lysine N-methyltransferase 6 antibody MGC9169 antibody WVS antibody WVS2 antibody
Accession No.	Swiss-Prot#:Q15910 NCBI Gene ID2146
Calculated MW	98
Concentration	1.0mg mL
Formulation	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+) pH 7.4 150mM NaCl 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

WB dilution:1:1000

Images



Western blot analysis Ezh2 (Phospho-Thr367) using PMA treated HeLa whole cell lysates

Product Description

The polycomb group (PcG) proteins are involved in maintaining the silenced state of several developmentally regulated genes and contribute to the maintenance of cell identity, cell cycle regulation, and oncogenesis (1,2). Enhancer of zeste homolog 2 (Ezh2), a member of this large protein family, contains four conserved regions including domain I, domain II, and a cysteine-rich amino acid stretch that precedes the carboxy-terminal SET domain (3). The SET domain has been linked with histone methyltransferase (HMTase) activity. Moreover, mammalian Ezh2 is a member of a histone deacetylase complex that functions in gene silencing, acting at the level of chromatin structure (4). Ezh2 complexes methylate histone H3 at Lys9 and 27 in vitro, which is thought to be involved in targeting transcriptional regulators to specific loci (5). Ezh2 is deregulated in various tumor types, and its role, both as a primary effector and as a mediator of tumorigenesis, has become a subject of increased interest (6).

Published Papers

el at., Inhibition of cytoplasmic EZH2 induces antitumor activity through stabilization of the DLC1 tumor suppressor protein. In Nat Commun on 2021 Dec 3 by Brajendra K Tripathi,

Meghan F Anderman, et al..PMID:34862367, , (2021)

PMID:34862367

Note: This product is for in vitro research use only and is not intended for use in humans or animals.