



ENX-2 Monoclonal Antibody

Catalog No	BYmab-01695
Isotype	IgG
Reactivity	Human;Mouse;Monkey
Applications	WB
Gene Name	EZH1
Protein Name	Histone-lysine N-methyltransferase EZH1
Immunogen	The antiserum was produced against synthesized peptide derived from human EZH1. AA range:171-220
Specificity	ENX-2 Monoclonal Antibody detects endogenous levels of ENX-2 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	EZH1; KIAA0388; Histone-lysine N-methyltransferase EZH1; ENX-2; Enhancer of zeste homolog 1
Observed Band	85kD
Cell Pathway	Nucleus . Colocalizes with trimethylated 'Lys-27' of histone H3.
Tissue Specificity	Brain,Hippocampus,Uterus,
Function	catalytic activity:S-adenosyl-L-methionine + histone L-lysine = S-adenosyl-L-homocysteine + histone N(6)-methyl-L-lysine.,function:Polycomb group (PcG) protein. Catalytic subunit of the PRC2/EED-EZH1 complex, which methylates 'Lys-27' of histone H3, leading to transcriptional repression of the affected target gene. Able to mono-, di- and trimethylate 'Lys-27' of histone H3 to form H3K27me1, H3K27me2 and H3K27me3, respectively. Required for embryonic stem cell derivation and self-renewal, suggesting that it is involved in safeguarding embryonic stem cell identity. Compared to EZH1-containing complexes, it is less abundant in embryonic stem cells and plays a less critical role in forming H3K27me3, which is required for embryonic stem cell identity and

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proper differentiation.,similarity:Belongs to the histone-lysine methyltransferase family. EZ subfamily.,similarity:Contains 1 SET domain.,s

Background

enhancer of zeste 1 polycomb repressive complex 2 subunit(EZH1) Homo sapiens EZH1 is a component of a noncanonical Polycomb repressive complex-2 (PRC2) that mediates methylation of histone H3 (see MIM 602812) lys27 (H3K27) and functions in the maintenance of embryonic stem cell pluripotency and plasticity (Shen et al., 2008 [PubMed 19026780]).[supplied by OMIM, Mar 2009],

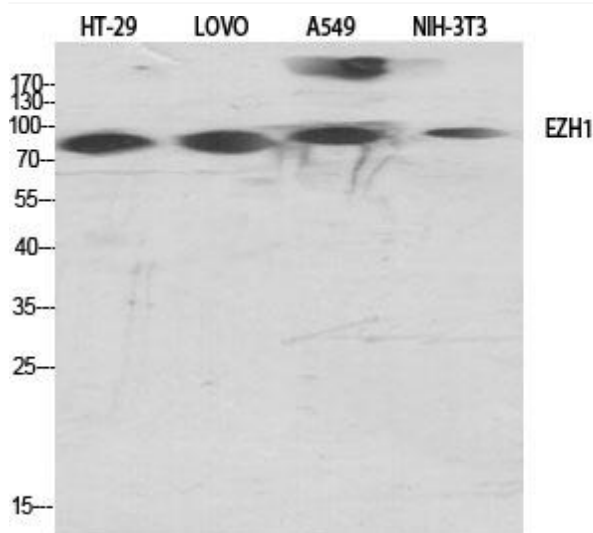
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using ENX-2 Monoclonal Antibody