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anti-EZH1 antibody (Internal Region)

3 Images



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Quantity:	100 μL
Target:	EZH1
Binding Specificity:	Internal Region
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This EZH1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF),
	Immunocytochemistry (ICC)
Product Details	
Immunogen:	A synthesized peptide derived from human EZH1, corresponding to a region within the internal
	amino acids.
Isotype:	IgG
Specificity:	EZH1 Antibody detects endogenous levels of total EZH1.
Predicted Reactivity:	Pig,Bovine,Horse,Sheep,Dog
Purification:	The antiserum was purified by peptide affinity chromatography using SulfoLink TM Coupling
	Resin (Thermo Fisher Scientific).
Target Details	
Target:	EZH1

Target Details

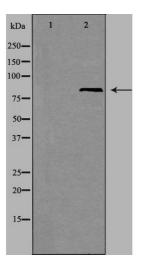
Storage Comment:

Expiry Date:

rarget Details	
Alternative Name:	EZH1 (EZH1 Products)
Background:	Description: 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 EZH2-containing complexes, it is less abundant in embryonic stem cells, has weak
	methyltransferase activity and plays a less critical role in forming H3K27me3, which is required
	for embryonic stem cell identity and proper differentiation.
	Gene: EZH1
Molecular Weight:	85 kDa
Gene ID:	2145
UniProt:	Q92800
Application Details	
Application Notes:	WB 1:500-1:1000, IHC: 1:50-1:200, IF/ICC 1:100-1:500, ELISA(peptide) 1:20000-1:40000
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 %
	glycerol.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which
	should be handled by trained staff only.
Storage:	-20 °C

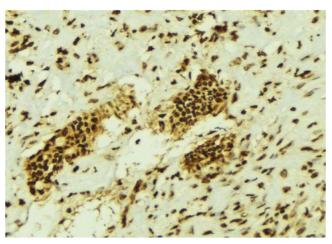
Store at -20 °C. Stable for 12 months from date of receipt.

12 months



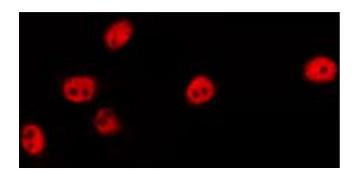
Western Blotting

Image 1. Western blot analysis of extracts from HT-29 cells using EZH1 antibody. The lane on the left is treated with the antigen-specific peptide.



Immunohistochemistry

Image 2. ABIN6274457 at 1/100 staining Human breast cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



Immunofluorescence (fixed cells)

Image 3. ABIN6274457 staining LOVO by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100,then blocked in 10% serum for 45 minutes at 25°C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37°C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.