

Rabbit EZH1 Polyclonal Antibody | anti-EZH1 antibody

EZH1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA321907	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

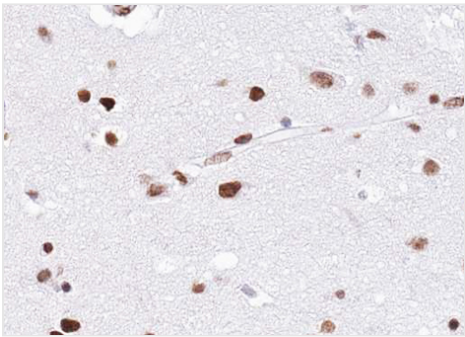
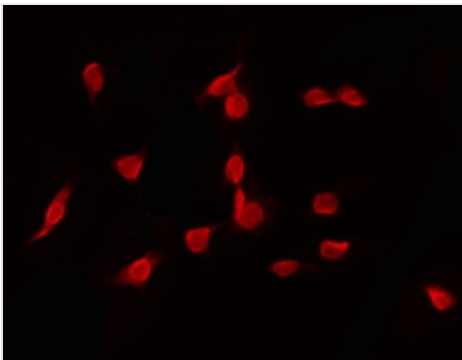
PRODUCT SYNONYMS

EZH1; Polyclonal Antibody; EZH1 Antibody; Enhancer of zeste homolog 1 (Drosophila); Enhancer of zeste homolog 1; ENX-2; ENX2; Ezh1; EZH1_HUMAN; Histone-lysine N-methyltransferase EZH1; anti-EZH1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	EZH1 antibody detects endogenous levels of total EZH1
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	753
Applicable Applications for anti-EZH1 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human EZH1
Subcellular Location	Nucleus. Colocalizes with trimethylated 'Lys-27' of histone H3.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Dog
Similarity	Pig (92%), Bovine (100%), Horse (100%), Sheep (100%), Dog (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES

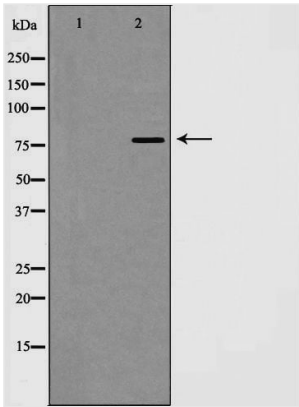


IF (Immunofluorescence)

AAA321907 staining HT29 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 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.

IHC (Immunohistochemistry)

AAA321907 at 1/100 staining human brain tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)

Western blot analysis of EZH1 expression in A549 cells, The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-EZH1 antibody

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 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.

Subunit Structure: Component of the PRC2/EED-EZH1 complex, which includes EED, EZH1, SUZ12, RBBP4 and AEBP2. The PRC2/EED-EZH1 is less abundant than the PRC2/EED-EZH2 complex, has weak methyltransferase activity and compacts chromatin in the absence of the methyltransferase cofactor S-adenosyl-L-methionine (SAM).

Similarity: Belongs to the class V-like SAM-binding methyltransferase superfamily. Histone-lysine methyltransferase family. EZ subfamily.

NCBI AND UNIPROT INFORMATION

NCBI GI #	1007353152
NCBI GeneID	2145
NCBI Accession #	NP_001308008.1
NCBI GenBank Nucleotide #	NM_001321079.1

UniProt Accession #	Q92800; O43287; Q14459; Q53XP3; A6NCH6; B4DIJ1; B4DIZ7; B4DSS2; B4E3R7
Molecular Weight	Observed: 85 kDa Predicted: 86 kDa
NCBI Official Full Name	histone-lysine N-methyltransferase EZH1 isoform 2
NCBI Official Synonym Full Names	enhancer of zeste 1 polycomb repressive complex 2 subunit
NCBI Official Symbol	EZH1
NCBI Official Synonym Symbols	KMT6B
NCBI Protein Information	histone-lysine N-methyltransferase EZH1
UniProt Protein Name	Histone-lysine N-methyltransferase EZH1
UniProt Gene Name	EZH1
UniProt Synonym Gene Names	KIAA0388

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/ezh1-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/321907>