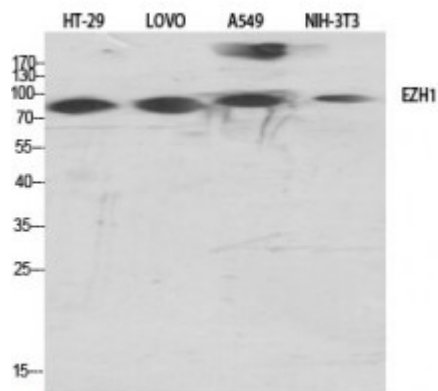


Anti-ENX-2 antibody



Description	Rabbit polyclonal to ENX-2.
Model	STJ92928
Host	Rabbit
Reactivity	Human, Mouse, Simian
Applications	ELISA, IF, IHC, WB
Immunogen	Synthesized peptide derived from human ENX-2
Immunogen Region	140-220 aa, Internal
Gene ID	2145
Gene Symbol	EZH1
Dilution range	WB 1:500-1:2000IHC 1:100-1:300IF 1:200-1:1000ELISA 1:40000
Specificity	ENX-2 Polyclonal Antibody detects endogenous levels of ENX-2 protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	Histone-lysine N-methyltransferase EZH1 ENX-2 Enhancer of zeste homolog 1
Molecular Weight	85 kDa
Clonality	Polyclonal
Conjugation	Unconjugated

Isotype	IgG
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:3526OMIM:601674
Alternative Names	Histone-lysine N-methyltransferase EZH1 ENX-2 Enhancer of zeste homolog 1
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.
Cellular Localization	Nucleus. Colocalizes with trimethylated 'Lys-27' of histone H3.

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