

EHMT1 Recombinant Mouse Monoclonal Antibody

Catalog Number730057

Product data sheet

Details		Species Reactivity	
Size	100 µg	Published species	Human
Host/Isotope	Mouse / IgG1	Tested Applications	
Class	Recombinant Monoclonal	Immunoprecipitation (IP)	Dilution *
Type	Antibody	Published Applications	
Immunogen	933-1254 of 1267 of EHMT1 Protein.	Immunoprecipitation (IP)	See 1 publications below
Conjugate	Unconjugated	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Form	Liquid		
Concentration	0.5 mg/mL		
Storage Conditions	Maintain refrigerated at 2-8°C for up to 1 month. For long term storage store at -20°C		

Product specific information

Recombinant antibodies are produced using specific genes that code for the desired antibodies. These genes are cloned into an expression vector and expressed in vitro. The advantages of recombinant antibodies include: better specificity, animal origin-free formulation, and more lot-to-lot consistency.

Background/Target Information

EHMT1, also known as EUHMTASE1, is a histone methyltransferase. This protein methylates 'Lys-9' of histone H3 in vitro. H3 'Lys-9' methylation represents a specific tag for epigenetic transcriptional repression by recruiting HP1 proteins to methylated histones. EHMT1 is Probably targeted to histone H3 by different DNA-binding proteins like E2F6, MGA, MAX and/or DP1. During G0 phase, it probably contributes to silencing of MYC- and E2F-responsive genes, suggesting a role in the G0/G1 transition of the cell cycle.

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PubMed References For EHMT1 Recombinant Mouse Monoclonal Antibody

1 Immunoprecipitation References

Species / Dilution	Summary
Human / 2 µg	730057 was used in immunoprecipitation to describe a mass spectrometry-based method for scoring immunoprecipitation antibody quality
	Nature methods (2015; 12: 725)
	"Assessment of a method to characterize antibody selectivity and specificity for use in immunoprecipitation." Author(s):Marcon E,Jain H,Bhattacharya A,Guo H,Phanse S,Pu S,Byram G,Collins BC,Dowdell E,Fenner M,Guo X,Hutchinson A,Kennedy JJ,Krastins B,Larsen B,Lin ZY,Lopez MF,Loppnau P,Miersch S,Nguyen T,Olsen JB,Paduch M,Ravichandran M,Seitova A,Vadali G,Vogelsang MS,Whiteaker JR,Zhong G,Zhong N,Zhao L,Aebersold R,Arrowsmith CH,Emili A,Frappier L,Gingras AC,Gstaiger M,Paulovich AG,Koide S,Kossiakoff AA,Sidhu SS,Wodak SJ,Gräslund S,Greenblatt JF,Edwards AM PubMed Article URL: http://dx.doi.org/10.1038/nmeth.3472

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