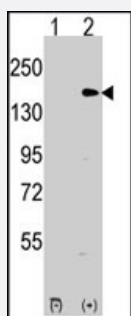


EHMT1 polyclonal antibody

Catalog # PAB2181

Size 400 uL

Applications



Western Blot (Transfected lysate)

Western blot analysis of EHMT1 (arrow) using rabbit EHMT1 polyclonal antibody (Cat # PAB2181). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the EHMT1 gene (Lane 2) (Origene Technologies).

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of EHMT1.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to N-terminus of human EHMT1.
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Protein A purification
Recommend Usage	Western Blot (1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Transfected lysate)

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Gene Info — EHMT1

Entrez GeneID	79813
Protein Accession#	NP_079033;Q9H9B1
Gene Name	EHMT1
Gene Alias	DEL9q34, DKFZp667M072, EUHMTASE1, Eu-HMTase1, FLJ12879, FP13812, GLP, KIAA1876, KMT1D, bA188C12.1
Gene Description	euchromatic histone-lysine N-methyltransferase 1
Omim ID	607001 610253
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a histone methyltransferase that is part of the E2F6 complex, which represses transcription. The encoded protein methylates the Lys-9 position of histone H3, which tags it for transcriptional repression. This protein may be involved in the silencing of MYC- and E2F-responsive genes and therefore could play a role in the G0/G1 cell cycle transition. Defects in this gene are a cause of chromosome 9q subtelomeric deletion syndrome (9q-syndrome). Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]
Other Designations	G9a like protein OTTHUMP00000022711 euchromatic histone methyltransferase 1

Publication Reference

- [Complete sequencing and characterization of 21,243 full-length human cDNAs.](#)

Ota T, Suzuki Y, Nishikawa T, Otsuki T, Sugiyama T, Irie R, Wakamatsu A, Hayashi K, Sato H, Nagai K, Kimura K, Makita H, Sekine M, Obayashi M, Nishi T, Shibahara T, Tanaka T, Ishii S, Yamamoto J, Saito K, Kawai Y, Isono Y, Nakamura Y, Nagahari K, Murakami K, Yasuda T, Iwayanagi T, Wagatsuma M, Shiratori A, Sudo H, Hosoiri T, Kaku Y, Kodaira H, Kondo H, Sugawara M, Takahashi M, Kanda K, Yokoi T, Furuya T, Kikkawa E, Omura Y, Abe K, Kamihara K, Katsuta N, Sato K, Tanikawa M, Yamazaki M, Ninomiya K

Nature Genetics 2003 Dec; 36(1):40.

- [A complex with chromatin modifiers that occupies E2F- and Myc-responsive genes in G0 cells.](#)

Ogawa H, Ishiguro K, Gaubatz S, Livingston DM, Nakatani Y.

Science 2002 May; 296(5570):1132.

Application: WB, Human, HeLa cells

- [Prediction of the coding sequences of unidentified human genes. XX. The complete sequences of 100 new cDNA clones from brain which code for large proteins in vitro.](#)

T Nagase, M Nakayama, D Nakajima, R Kikuno, O Ohara.

DNA Research 2001 Apr; 8(2):85.

Pathway

- [Lysine degradation](#)

Disease

- [Adenocarcinoma](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Colorectal Neoplasms](#)
- [Esophageal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Microsatellite Instability](#)
- [Neoplasm Invasiveness](#)
- [Tobacco Use Disorder](#)